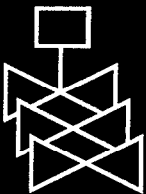
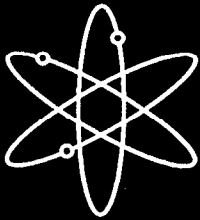
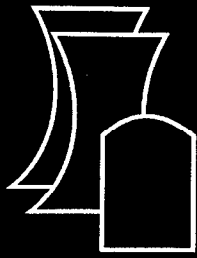


NUREG0525V4



Annual Safeguards Summary Event List (SSEL) 2000

January 1, Through December 31, 2000



U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555-0001



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Annual Safeguards Summary Event List (SSEL) 2000

January 1, Through December 31, 2000

This document was prepared in response to inquiries concerning the nature of safeguards-related events involving NRC and licensed material.

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**Safety and Safeguards Support Branch
Division of Fuel Cycle Safety and Safeguards
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001**



ABSTRACT

The Annual Safeguards Summary Event List (SSEL), 2000, provides brief summaries of safeguards-related events involving nuclear material or facilities regulated by the U.S. Nuclear Regulatory Commission (NRC) which occurred and were reported from January 1, 2000, through December 31, 2000. Events are described under the categories of Bomb or Explosive-related, Intrusion, Missing and/or Allegedly Stolen, Transportation-related, Tampering/Vandalism, Arson, Firearms, Radiological Sabotage, Nonradiological Sabotage, By-product Material, and Miscellaneous. The information contained in the event descriptions is derived primarily from official NRC reporting. Also included is a section on foreign SSEL incidents for purposes of comparison and to broaden the database of potential threat events. It is derived primarily from press reports.

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CONTENTS

	Page
Abstract.....	iii
Table of Contents.....	v
Executive Summary.....	vii
Preface.....	ix
Abbreviations.....	xi

Domestic SSEL Events Section:

I. Bomb or Explosive-related Events.....	1
II. Intrusion Events.....	5
III. Missing And/or Allegedly Stolen Events.....	5
IV. Transportation-related Events.....	6
V. Tampering/Vandalism Events.....	6
VI. Arson Events.....	7
VII. Firearms-related Events.....	7
VIIIA. Radiological Sabotage Events.....	8
VIIIB. Nonradiological Sabotage Events.....	8
IX. By-Product Materials Events.....	9
X. Miscellaneous Events.....	9

Foreign SSEL Events Section:

I. Bomb-related Events.....	11
-----------------------------	----

II.	Intrusion Events.	12
V.	Tampering/Vandalism Events.	13
VIIIB.	Non-radiological Sabotage Events.	13
IX	By-Product Materials Events.	14
X.	Miscellaneous.	14

Domestic SSEL Statistics:

Figure 1:	Safeguards Events 1990-2000.	A-1
Figure 2:	Safeguards Events by Category 2000.	A-2
Figure 3:	Reactor Safeguards Events 1990-2000.	A-3
Figure 4:	Non-reactor Safeguards Events 1990-2000.	A-4
Figure 5:	Safeguards Events by Category 1990-2000.	A-5
Figure 6:	U.S. Commercial Power Reactors Licensed to Operate 1990-2000.	A-6

EXECUTIVE SUMMARY

The Annual Safeguards Summary Event List (SSEL), 2000, provides brief summaries of safeguards-related events involving nuclear material or facilities regulated by the U.S. Nuclear Regulatory Commission (NRC) which occurred and were reported from January 1 through December 31, 2000. Events are described under the categories of Bomb-related, Intrusion, Missing and/or Allegedly Stolen, Transportation-related, Tampering/Vandalism, Arson, Firearms, Radiological Sabotage, Nonradiological Sabotage, and Miscellaneous.

The first section (involving NRC-licensed activities) is divided into two parts: a chronological listing of events by category, and a short statistical analysis. The information contained in the event descriptions is reported primarily by the licensees, NRC resident inspectors or NRC Regional Information Assessment Team (IAT) personnel to the NRC Operations Center or the IAT in the Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Material Safety and Safeguards. As we add incidents to the foreign event database, we will also include a statistical analysis of that information.

Domestic SSEL Events

The overall number of Safeguards Events decreased this year to 16, five less than last year's total (Figure 1). The highest number of incidents last year were in the Bomb-related (9) and Firearms (3) categories (Figure 2), representing mostly hoax or non-credible threats. There were no actual Bomb or Explosive (Section A), Intrusion, Transportation, Arson, or Radiological Sabotage events. Reactor events exceeded non-reactor events (Figures 3 & 4). Over the past ten years, Firearms-related (419), Bomb-related (235), and Miscellaneous events (264) have dominated the overall number of safeguards incidents, with the other four categories combined accounting for the 29 remaining incidents (Figure 5). The number of operating power reactors (103) dropped by one in 2000.

- The most notable domestic incident during the past year occurred in the Tampering/Vandalism category, when it was discovered in June at the Combustion Engineering (now Westinghouse) Fuel Fabrication Facility in Hematite, Missouri, that several rejected "erbia" pellets had been deliberately mixed in with a normal lot of uranium oxide fuel pellets. The incident is under law enforcement investigation. In May, it was announced that the plant would be closed, and it is believed a disgruntled employee committed the act in response to the announcement.
- In a follow-up to a non-radiological sabotage incident (VIII B-99-01) in the 1999 SSEL, the individual arrested in Florida in December 1999 for plotting to attack power lines leading to the Crystal River Plant was convicted and received a five year sentence in July 2000. There are no indications that the plot developed

beyond the discussion stage, and there was no plan to attack the plant directly.

Foreign SSEL Events

This is the second year that we have included foreign events. This year there were nine events, an increase of one event from last year's total. More foreign events will be added in future years, and older incidents from the past three decades will also eventually be added in order to build a statistically valid database.

- The most notable foreign event was the apparent insider sabotage incident at Sellafield fuel reprocessing plant in the United Kingdom in February, 2000. The saboteur cut electric cables associated with six robots used to handle highly radioactive waste remotely in the vitrification unit. Authorities reportedly believe the act was in response to an unpopular new pay package for workers.

PREFACE

The Annual Safeguards Summary Event List (SSEL) provides brief summaries of numerous safeguards-related events involving nuclear materials or facilities regulated by the U.S. Nuclear Regulatory Commission (NRC). A larger electronic database, containing over 2,100 incidents dating back to 1969, is maintained at NRC headquarters and is available in previous print editions of the SSEL. 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 category.

- IA. Bomb or Explosive: Events in which a bomb or explosive material was located or an explosion occurred at a licensed facility.
- IB. Bomb or Explosive - related: All other bomb-related events (e.g., hoax bomb threats).
- II. Intrusion: Incidents of attempted or actual penetration of a facility's barriers or safeguards systems.
- III. Missing or Allegedly Stolen: Events in which safeguarded special nuclear material was stolen, alleged to be stolen, discovered missing, or found.
- IV. Transportation-Related: Events typically include incidents where safeguarded material was mis-routed 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.
- V. Tampering/Vandalism: Incidents of destruction or attempted destruction of property, parts, and equipment which do not directly cause a radioactive release.
- VI. Arson: Intentional acts involving incendiary materials resulting in damage to property, equipment, or other assets.
- VII. Firearms-Related: Events typically describe the discharge, discovery, or loss of firearms at a licensed facility.
- VIIIA. Radiological Sabotage: Deliberate act directed against a safeguarded activity which could endanger the public health and safety by exposure to radiation.

- VIIIB. Nonradiological Sabotage: Events characterized by the FBI as sabotage but which could not endanger the public health and safety by exposure to radiation.
- IX. Byproduct Materials Events: Events involving either byproduct material or source material (e.g. natural uranium).
- X. Miscellaneous: Events which hold some interest to safeguards and the public 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, or in the case of foreign incidents, press and other open source reports. Please note that NRC has not been able to independently verify the information in the foreign incident reports and thus they could contain inaccuracies.

ABBREVIATIONS

FBI	Federal Bureau of Investigation
IAT	Information Assessment Team (NRC)
NPP	Nuclear Power Plant
PNO	Preliminary Notification of an Event or Unusual Occurrence
RSO	Radiation Safety Officer
SSEL	Safeguards Summary Events List

IA. BOMB AND EXPLOSIVE EVENTS

There were no events involving actual explosive materials or events during 2000.

IB. BOMB AND EXPLOSIVE-RELATED EVENTS

IB-00-01	Date: 01/18/00	Site: Zion Commonwealth Edison Company Lake County, IL
-----------------	-----------------------	---

Plant Status: Units 1 & 2, Cold Shutdown
Fuel present at site.

Event: NRC received three phone threats to “blow up the Zion nuclear power plant,” one at the Region III office and two at NRC Headquarters. All three calls were apparently from the same individual. The individual demanded large sums of money to “spare the facility” in two of the calls.

Action: Licensee heightened security while local police and the FBI investigated the source of the threat.

Resolution: The FBI and local authorities arrested an individual for making the threatening phone calls. The suspect was on parole for making other threatening calls to a local official. The individual pled guilty and received 35 months in jail.

Source: IAT

IB-00-02	Date: 02/01/00	Site: Three Mile Island GPU Nuclear Corporation Dauphin County, PA
-----------------	-----------------------	---

Plant Status: Unit 1, Operational
Fuel present at site.

Event: Pennsylvania state police notified the licensee that they had received an indirect bomb threat to the site.

Action: Licensee heightened security while the police investigated the source of the threat.

Resolution: The state police interviewed the source of the threat and determined it was not credible.

Source: Event #36652, IAT

IB-00-03	Date: 03/13/00	Site: Brunswick, H.B. Robinson, Shearon Harris Carolina Power and Light Company North and South Carolina
-----------------	-----------------------	---

Plant Status: Brunswick - Unit 1, Refueling Outage
- Unit 2, Operational
H.B. Robinson - Unit 2, Operational
S. Harris - Unit 1, Operational
Fuel present on all sites.

Event: CP&L received two non-specific bomb threat calls from two different sources. No specific site was named.

Action: Licensee took additional security measures.

Resolution: Threats assessed as non-credible.

Source: Licensee; IAT

IB-00-04	Date: 04/06/00	Site: Prairie Island Nuclear States Power Company Goodhue County, MN
-----------------	-----------------------	---

Plant Status: Units 1 & 2, Operational
Fuel present at site.

Event: The plant was notified by the Minneapolis Police that a student at a nearby Minneapolis college had answered the dorm phone and an unknown male who sounded drunk said he was going to blow up Prairie Island. The individual kept insisting the phone number he had called was the plant, although the student told him it was not. The unknown male then hung up.

Action: The student notified campus police who notified the local police. NRC notified the FBI.

Resolution: No further action is being taken as the call was considered to be non-credible. It is noted that the college dorm phone number is one digit different from Prairie Island.

Source: Region III IAT

IB-00-05	Date: 05/09/00	Site: Brunswick, H.B. Robinson, Shearon Harris Carolina Power and Light Company North and South Carolina
----------	----------------	--

Plant Status: Brunswick - Units 1 & 2, Operational
H.B. Robinson - Unit 2, Operational
S. Harris - Unit 1, Refueling Outage
Fuel present on all sites.

Event: At approximately 7:30 am, a man entered the CP&L corporate lobby and made the statement that in an hour a bomb would go off at one of the CP&L nuclear plants. CP&L had information identifying the individual.

Action: All searches, including owner controlled areas, produced negative results.

Resolution: Threat not credible. Local police arrested the individual who made the threat. He was homeless and had multiple identifications in his possession.

Source: Licensee; Region II IAT

IB-00-06	Date: 06/22/00	Site: Arkansas Entergy Operations, Inc. Pope County, AR
----------	----------------	---

Plant Status: Units 1 & 2, Operational
Fuel present at site.

Event: An unhappy customer called Entergy Headquarters in New Orleans to complain about his bill. In the course of the conversation he said that he was going to blow up a plant (not identified).

Action: Local police and the FBI were notified.

Resolution: The threat was assessed as non-credible.

Source: IAT

IB-00-07	Date: 10/01/00	Site: Indian Point 2 & 3 Consolidated Edison Company New York Power Authority Westchester County, NY
-----------------	-----------------------	---

Plant Status: Unit 2, Refueling outage
Unit 3, Operational
Fuel present at site.

Event: The NRC Operations Center received a bomb threat call from an individual claiming to be in a psychiatric institution in Westchester County, NY. He called twice, stating that he was going to blow up Indian Point.

Action: Licensees, local authorities, and FBI notified. The NY State Police traced the call to Westchester Hospital and confirmed that a patient by that name was there. He had called from a hospital pay phone.

Resolution: Threat non-credible. Caller's phone privileges were reduced.

Source: Event #37395; IAT

IB-00-08	Date: 11/05/00	Site: Diablo Canyon Pacific Gas & Electric Company San Luis Obispo County, CA
-----------------	-----------------------	--

Plant Status: Unit 1, Refueling outage
Unit 2, Operational
Fuel present at site.

Event: The licensee identified what appeared to be an explosive device located in a contractor building within the protected area. Based upon the initial credibility of the threat, the licensee entered a security alert and declared a notification of unusual event.

Action: Local law enforcement and bomb squad personnel were notified. The FBI was also notified and an agent responded to the site. Responding bomb squad officers determined that the device contained no explosive material. The licensee

completed a walk down of the protected and vital areas and secured from the security alert. No other suspicious devices were located.

Resolution: The FBI interviewed an outage worker, who had made the device several months earlier. Individual took full responsibility. The FBI assessed that the device was not intended to provoke a reaction by security. No criminal charges were filed.

Source: PNO-IV-00-030; Event #37488, 37489; IAT

IB-00-09	Date: 12/21/00	Site: Millstone Northeast Nuclear Energy Company New London County, CT
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Plant Status: Units 2 & 3, Operational
Fuel present at site.

Event: The FBI notified NRC and licensee that an individual allegedly told family members in Connecticut that he was going to "blow-up" Millstone. The individual reportedly had a violent criminal history and a history of mental illness.

Action: FBI notified the licensee, which increased security awareness.

Resolution: The FBI located the individual and determined the threat was not credible. No criminal charges were filed due to the suspect's history of mental illness.

Source: IAT

II. INTRUSION EVENTS

There were no intrusion-related events reported during 2000.

III. MISSING AND/OR ALLEGEDLY STOLEN EVENTS

III-00-01	Date: 08/31/00	Site: Global Nuclear Fuels - Americas (GNF-A) Wilmington, NC
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Plant Status: NA

Event: GNF-A identified that 2 sets of plutonium-239 calibration sources were missing after a thorough search of its facility. Each set contains four metal disks

electroplated with Pu-239. Total activity in both sets is 62.9 kBq. The sources had just returned from a vendor for calibration re-certification. The vendor mailed the sources and the common carrier's records indicate that they were delivered to GNF-A on August 7, 2000.

Action: The licensee searched for the missing sources but was unable to locate them. GNF-A electronically mailed site personnel a description of the package the sources were shipped in, asked them to look for the package, and provided instructions on whom to contact if they located the package. The licensee notified New Hanover County Emergency Management, and the North Carolina State Department of Radiation Protection.

Resolution: Items remain unlocated.

Source: Event # 37279, PNO-II-00-032

IV. TRANSPORTATION-RELATED EVENTS

There were no reported transportation-related events during 2000.

V. TAMPERING/VANDALISM EVENTS

V-00-01	Date: 06/10/00	Site: Combustion Engineering, Inc. Hematite, MS
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Plant Status: N/A
Fuel present at site.

Event: A plant operator at the Combustion Engineering Nuclear Power (now Westinghouse) Fuel Fabrication Facility identified that several "erbia" pellets were mixed in with a normal lot of uranium oxide pellets. Erbia pellets are used in fuel assemblies as neutron absorbers and the erbia manufacturing process line is separate from the uranium oxide process lines.

Action: A five-person licensee investigation team started a root cause analysis. A total of 25 erbia pellets were found mixed in with the normal uranium oxide pellets of which there are several thousand. The licensee identified the manufacturing lot from which the erbia pellets came, and noted that the specific erbia pellets were part of a larger group that had been rejected during the manufacturing process because they did not meet design specifications. Sufficient information was obtained to conclude that the mixing of erbia pellets was a deliberate act.

Resolution: The actual potential for manufacture of a fuel assembly with mixed pellets is minimal because of the inspections performed on the completed fuel assemblies. The licensee informed the FBI and the Jefferson County Sheriff's office of this event and the status of their investigations. The incident is under law enforcement investigation.

Source: PNO-III-00-022, IAT

VI. ARSON EVENTS

There were no arson-related events reported during 2000.

VII. FIREARMS-RELATED EVENTS

VII-00-01	Date: 07/18/00	Site: Ginna Rochester Gas & Electric Corp Wayne County, NY
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Plant Status: Unit 1, Operational
Fuel present at site.

Event: An unauthorized handgun was discovered during a routine entry search of a vehicle making a delivery to the plant protected area.

Action: The vehicle and driver were denied access to the protected area.

Resolution: Licensee security determined that there was no malicious intent.

Source: Event #37177

VII-00-02	Date: 10/06/00	Site: Nuclear Fuel Services Erwin, TN
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Plant Status: N/A

Event: A licensee security officer heard 5 to 6 shots fired from the location of the upper (contractor) parking lot. A second security officer observed an individual in the contractor parking lot dressed in camouflage clothes and armed with a rifle. He saw the individual get into a grey pick-up truck and depart.

Action: Local police were contacted by the licensee, given a description of the individual, and the fact that he had a rifle. The police pulled over a grey pick-up truck several blocks from NFS. The individual had two hand guns and permits for them, but no rifle was found. Since the individual did not match the physical description of the suspect, the police let him go. The FBI was notified.

Resolution: No further suspects were identified, and no bullet impacts were found inside the protected area.

Source: Licensee; IAT

VII-00-03	Date: 10/19/00	Site: Arkansas Arkansas Power and Light Company Pope County, AR
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Plant Status: Unit 1, Operational
Unit 2, Refueling Outage
Fuel present at site.

Event: At approximately 7:00 pm, Arkansas Nuclear One site personnel heard approximately 7 shots fired. At least one person reported that he thought he heard a bullet strike metal. A person reported seeing what he thought were hunters in a boat on the adjacent lake.

Action: Police responded, but the boat with hunters could not be located. A search located no evidence of bullet strikes. Security was placed in a heightened posture, and an additional patrol was established within the PA.

Resolution: The licensee believes the shots were fired by deer hunters in the vicinity of the site.

Source: Licensee; IAT

VIIIA. RADIOLOGICAL SABOTAGE

There were no reported events of radiological sabotage criteria during 2000.

VIIIB. NON-RADIOLOGICAL SABOTAGE

There were no reported events of non-radiological sabotage criteria during 2000.

IX. BY-PRODUCT MATERIALS EVENTS

IX-00-01	Date: 02/09/00	Site: Columbia University New York, NY
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Plant Status: NA

Event: The NRC Region I Office and NRC Operations Center were notified by the New York City Health Department's Bureau of Radiological Health (BRH) of a sequence of events in which a Columbia University student and her apartment had been contaminated with phosphorus-32 (P-32). The internal dose received by the individual appears to be less than 0.1 mSv.

Action: The BRH performed an investigation that agreed with the licensee's conclusion that the student's apartment was contaminated on two occasions as a result of the student's intentional actions. Bioassay of the student's roommate did not indicate any uptake. The University conducted a disciplinary hearing.

Resolution: The student was expelled from school for four months. The school stated she contaminated herself in an attempt to force the school to let her switch academic majors. She was later reinstated.

Source: Event #36735, PNO-I-00-006, Open Press

X. MISCELLANEOUS

X-00-01	Date: 08/24/00	Site: DC Cook Indiana and Michigan Power Company Berrien County, MI
----------------	-----------------------	--

Plant Status: Unit 1, Refueling outage
Unit 2, Operational
Fuel present at site.

Event: Twelve people were arrested for trespassing during an anti-nuclear demonstration at the plant. The demonstration, involving about 89 people, took place at the entrance to the owner-controlled portion of the site.

Action: Procedures for the demonstration were coordinated in advance by the demonstrators, the utility, the Berrien County Sheriff's Department, and state police. There was no

violence associated with the demonstration. Those individuals who were arrested were transported from the site by the Sheriff's Department.

Resolution: Plant activities were not affected by the demonstration.

Source: PNO-RIII-00031

IA. FOREIGN BOMB AND EXPLOSIVE EVENTS

IA-00-01	Date: 01/11/00	Site: Tokaimura JCO Tokaimura, Japan
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Plant Status: N/A

Event: Japanese police arrested a man for possessing and manufacturing explosives in a plan to blow up the Tokaimura uranium processing plant. The suspect allegedly wanted to blow up the plant and then kill himself. The explosives, which consisted of seven pipes containing gunpowder and triggering devices, as well as a non-functioning timer, were found in a knap-sack outside an office equipment company close to the plant.

Action: N/A

Resolution: There are no indications the man ever entered the plant area, or had insider assistance. There is also no information on what part of the plant he planned to bomb. The suspect, who was unemployed and homeless, appeared to be a mentally unstable individual acting alone.

Source: Press

IB. FOREIGN BOMB AND EXPLOSIVE-RELATED EVENTS

IB-00-01	Date: 04/06/00	Site: Dukovany Czech Power Board Trebic, Jihomoravsky, Czech Republic
-----------------	-----------------------	--

Plant Status: Units 1-4, Status Unknown

Event: The plant received an anonymous threat that stated there was a bomb on the premises..

Action: Reportedly, 1,200 people were evacuated from the site. A search by plant personnel did not discover any device.

Resolution: A local woman was later arrested for making the threat.

Source: Press.

IB-00-02	Date: 10/12/00	Site: Kozloduy National Electric Company Kozloduy, Vratsa, Bulgaria
----------	----------------	---

Plant Status: Units 1-4, Status Unknown

Event: The plant received an anonymous phone call stating there was a car bomb in the plant parking lot.

Action: An unknown number of employees were evacuated from the site. A search by plant personnel did not discover any device.

Resolution: It was not reported if anyone was charged in the incident.

Source: Press.

II. FOREIGN INTRUSION EVENTS

II-00-01	Date: 09/05/00	Site: Muehleberg NPP Bernische Kraftwerke AG Bern, Switzerland
----------	----------------	--

Plant Status: 1 Unit, Status Unknown

Event: A demonstrator landed a motorized parafoil on the roof of the reactor building. Eight other demonstrators gathered outside the plant's fenced boundary.

Action: The rooftop intruder was quickly apprehended by plant security personnel and handed over to police.

Resolution: The demonstrator has been charged with trespassing and using a vehicle not authorized in Switzerland.

Source: Press

V. FOREIGN TAMPERING/VANDALISM EVENTS

V-00-01	Date: 02/01/00	Site: Rovno NPP Rosenergoatom Kuznetsovsk, Rovno, Ukraine
---------	----------------	---

Plant Status: 3 Units, Status Unknown
1 Unit, Under Construction

Event: A locksmith who worked at the plant tried to shut down a reactor by causing a safety system to switch on at one of the reactor's turbine sections.

Action: The man was detained and sent for psychiatric evaluation.

Resolution: No problems with the reactor's operation were reported.

Source: Press

VIIIB. FOREIGN NON-RADIOLOGICAL SABOTAGE EVENTS

VIIIB-00-01	Date: 02/00/00	Site: Sellafield Fuel Fabrication British Nuclear Fuels Limited Sellafield, Cumbria, United Kingdom
-------------	----------------	---

Plant Status: N/A

Event: Sometime in February, a saboteur cut electric cables associated with six robots used to handle highly radioactive waste remotely in the vitrification unit. Because access to the vitrification unit is tightly controlled, authorities believe the sabotage was committed by an insider.

Action: The sabotage forced the shutdown of the vitrification unit. British authorities began an investigation on employees who were in the area at the time of the act.

Resolution: While no arrests were announced, it was speculated that a disgruntled employee, angry over the elimination of overtime pay, may have been responsible.

Source: Press

IX. FOREIGN BY-PRODUCT MATERIALS EVENTS

IX-00-01	Date: 12/20/00	Site: JT Central Pharmaceutical Research Institute Takatsuki, Osaka Prefecture, Japan
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Plant Status: NA

Event: A Japan Tobacco (JT) pharmaceutical researcher allegedly poured a small amount of iodine-125 at the JR railway station in Takatsuki, Osaka Prefecture, about 500 meters from where he worked. According to a police account, the man, clad in white lab clothing, approached a Japan Railway employee at the station at around 10 a.m. Wednesday, took out a JT business card and said he had spread "radioactive material" at the station.

Action: Police officials said the man spoke incoherently and was put under arrest on suspicion of forcibly obstructing business.

Resolution: The railway station closed the area for 9 hours as safety precaution. Officials from the Science and Technology Agency said a radiation survey conducted on the site showed only a very small amount of radioactivity in the vicinity. The researcher was later judged insane and was found not criminally responsible.

Source: Press

X. FOREIGN MISCELLANEOUS EVENTS

X-00-01	Date: 03/00/00	Site: High Flux Australian Reactor Australian Nuclear Science And, Technology Organization, Lucas Heights Laboratories Lucas Heights, Australia
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Plant Status: NA

Event: In August, just prior to the start of the Summer Olympics, New Zealand and Australian press carried reports that in March 2000, New Zealand police had arrested 3 illegal aliens in Auckland for passport fraud and smuggling charges. They were part of a group of 20 Afghan refugees under investigation for alien smuggling from Afghanistan. In one residence raided, New Zealand police reportedly found a common street map of Sydney with the Lucas Height reactor site and the surrounding streets leading to the facility highlighted. There was no

site and the surrounding streets leading to the facility highlighted. There was no other information found concerning the reactor site. Police also reportedly found a notebook outlining police security tactics, standards and chains of command for the Auckland Commonwealth Games in 1990.

Action: The suspects were charged with alien smuggling and passport violations. Security at the reactor was already high due to the Summer Olympics.

Resolution: Australian authorities categorically denied that there was a threat to the reactor. While the information was circumstantial and suspicious, no direct evidence was developed to link the illegal immigrants to terrorist planning as suggested by the press.

Source: Press

X-00-02	Date: 04/00/00	Site: Sellafield Fuel Fabrication British Nuclear Fuels Limited Sellafield, Cumbria, United Kingdom
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Plant Status: N/A

Event: Four workers were caught forging entry passes. The workers had been given limited clearance to enter specific low-risk parts of the plant on foot but altered them to gain access to more sensitive areas with their vehicles. The deception was thought to have fooled security guards for several weeks.

Action: Reportedly the forgeries were discovered by a security guard during a routine check.

Resolution: The four workers were allowed to resign in order to avoid disciplinary proceedings.

Source: Press

Safeguards Events

NRC-Licensed Activities 1990-2000

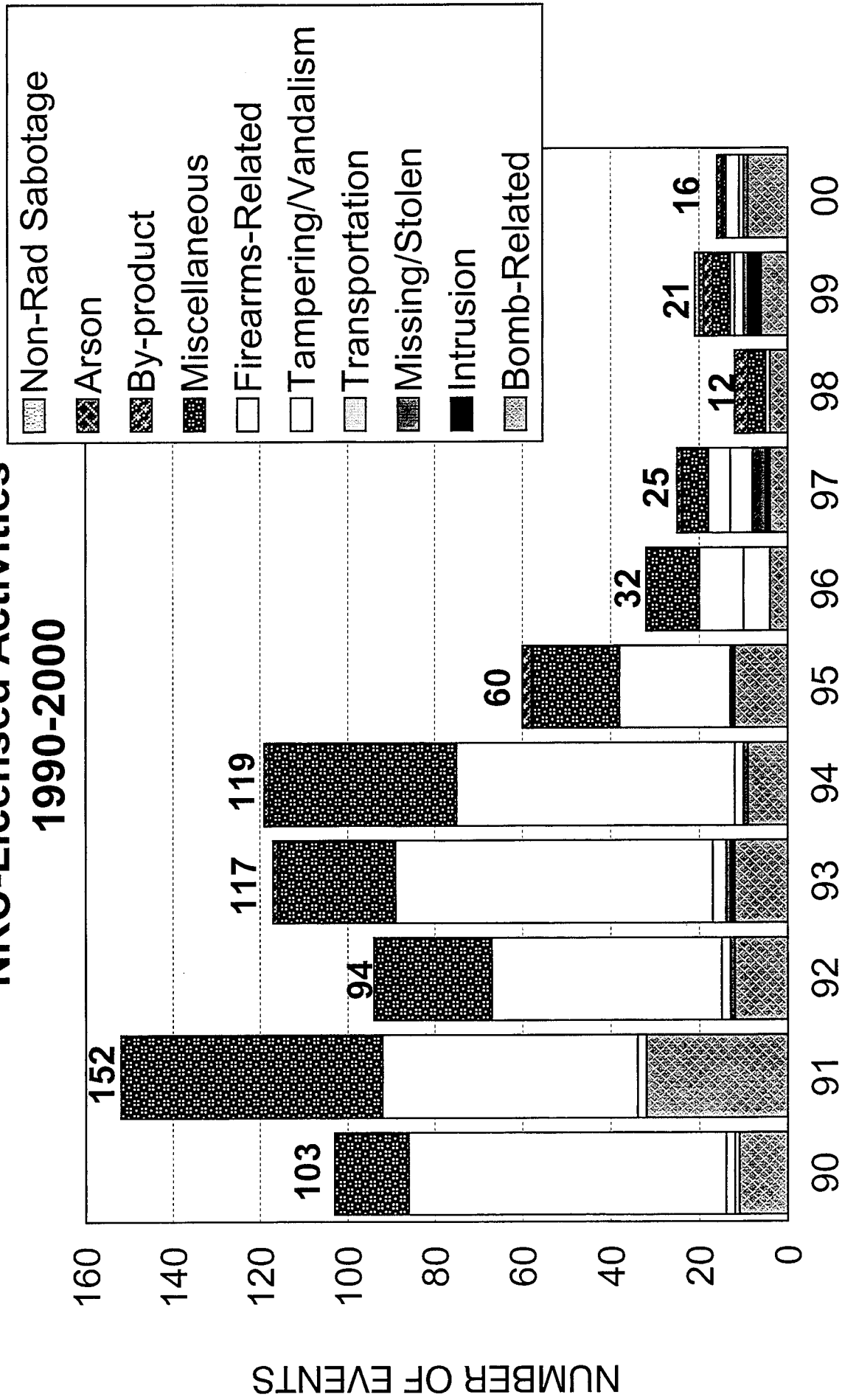


Figure 1

YEAR

Note: Reporting requirements changed in 1995

Safeguards Events by Category (16)

NRC-Licensed Activities

2000

Bomb-related
9 56.3%

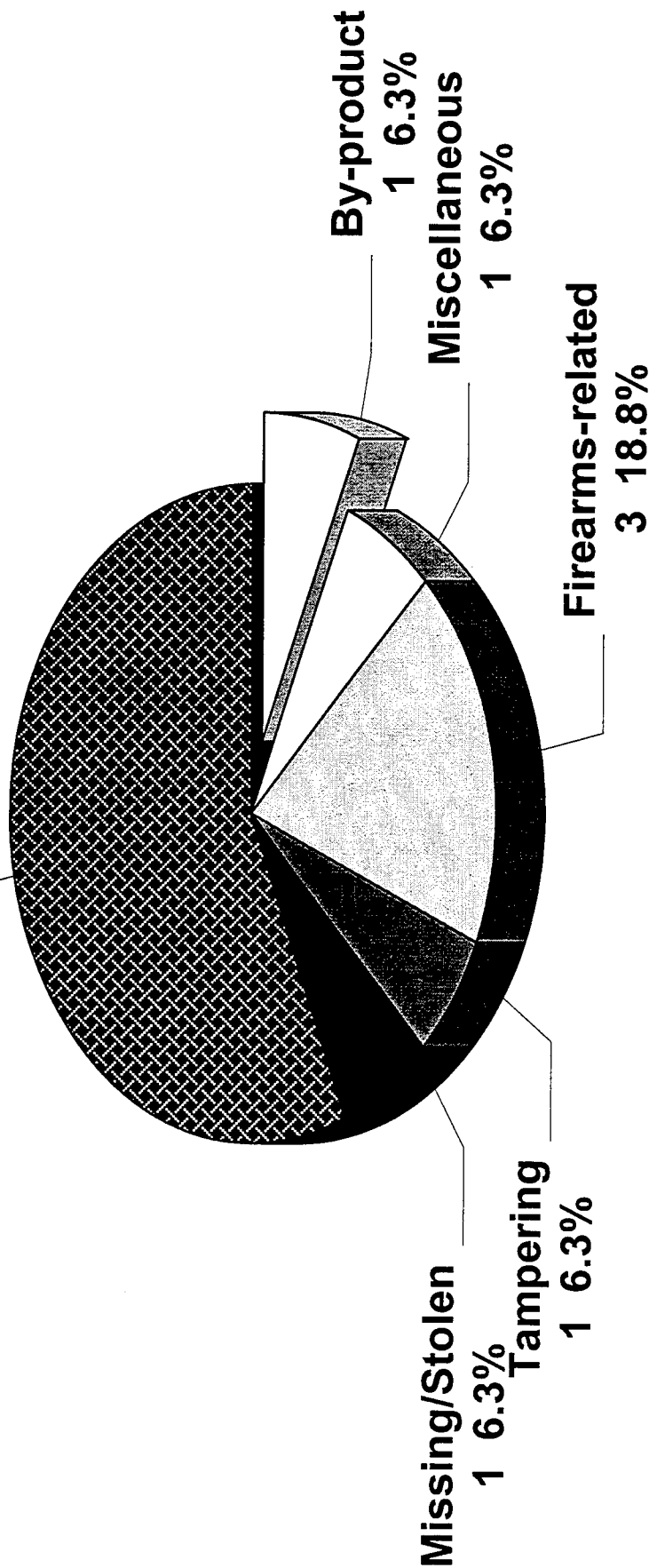
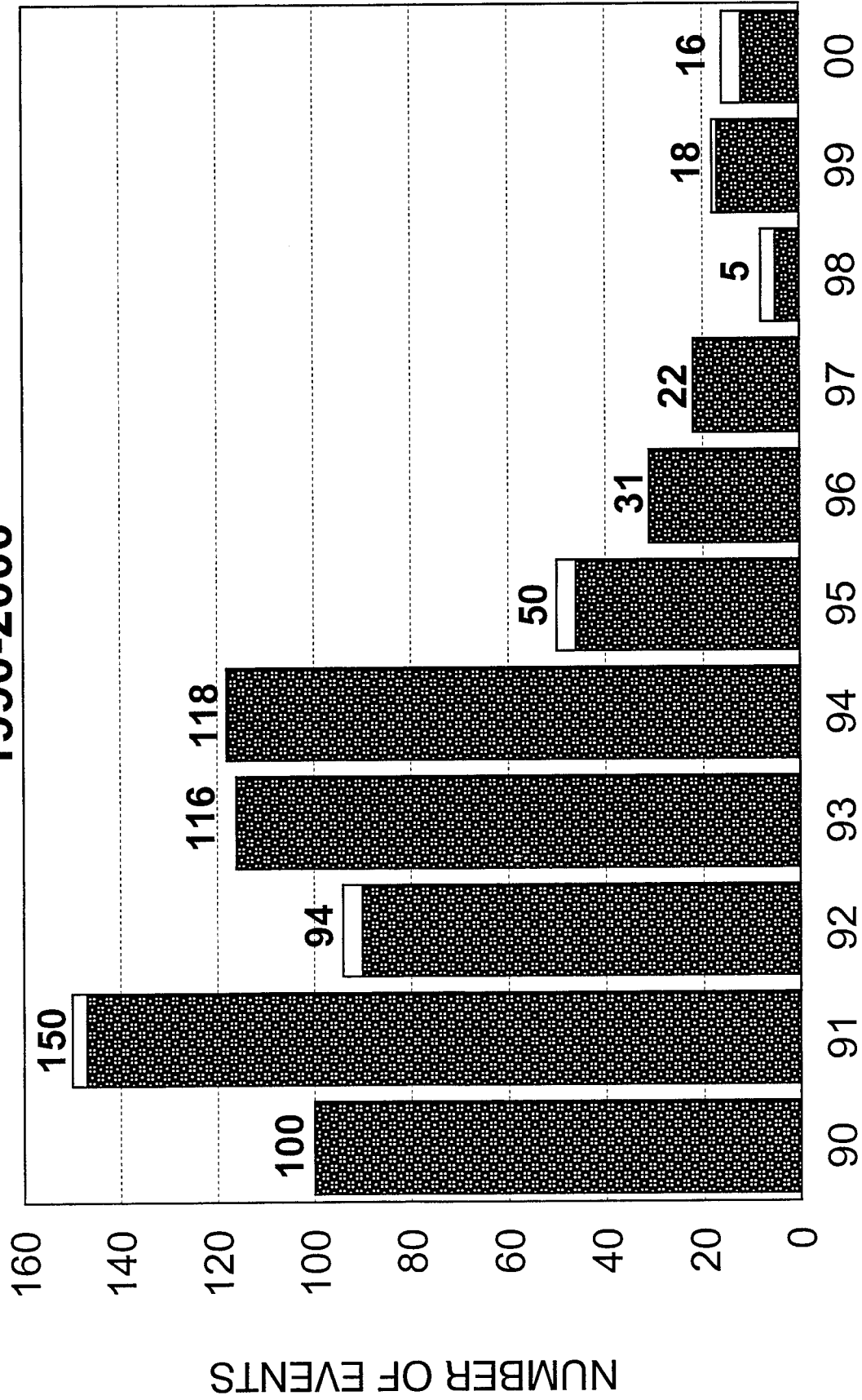


Figure 2

Reactor Safeguards Events

NRC-Licensed Activities
1990-2000



YEAR

Figure 3

Nonreactor Safeguards Events

NRC-Licensed Activities
1990-2000

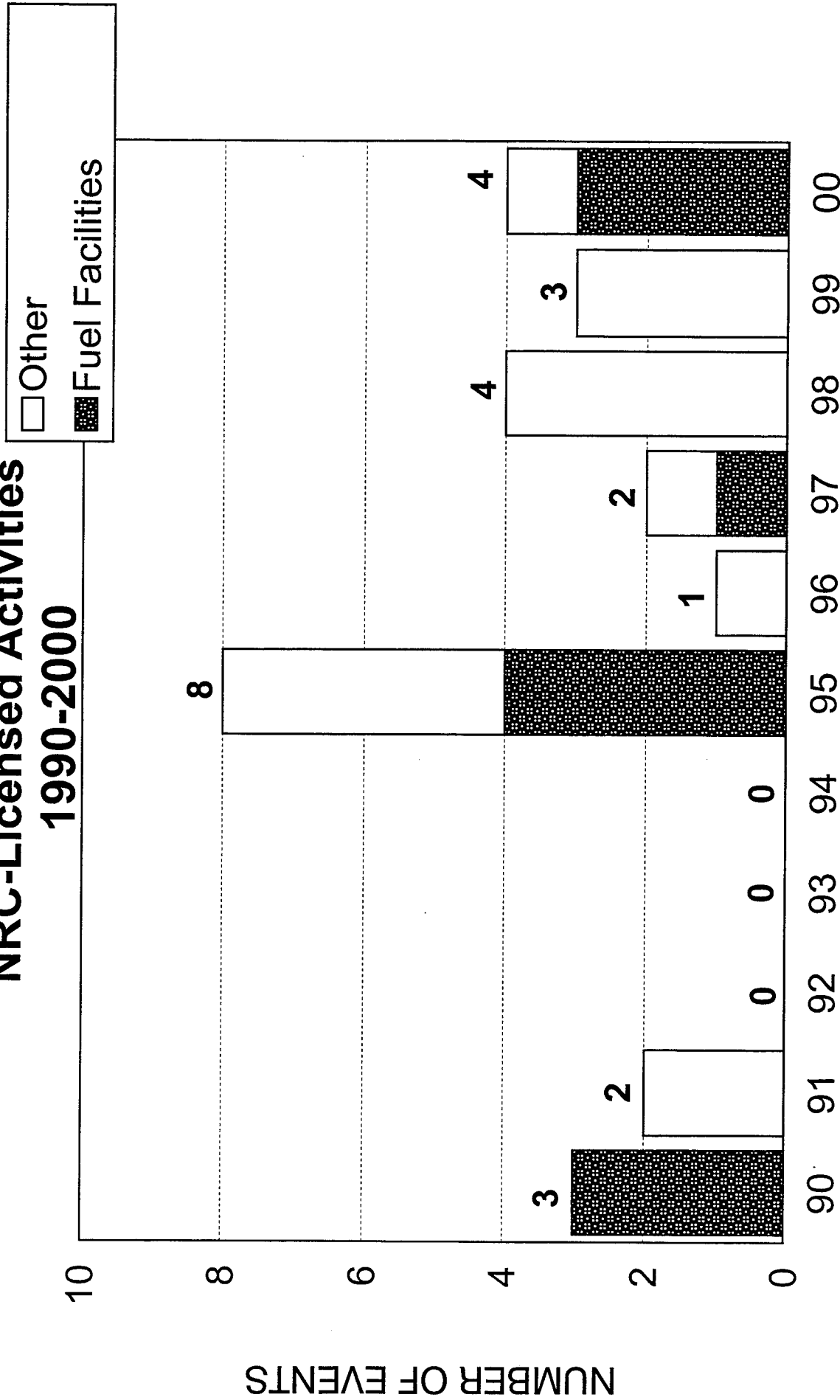


Figure 4

Safeguards Events by Category (852)

NRC-Licensed Activities

1990-2000

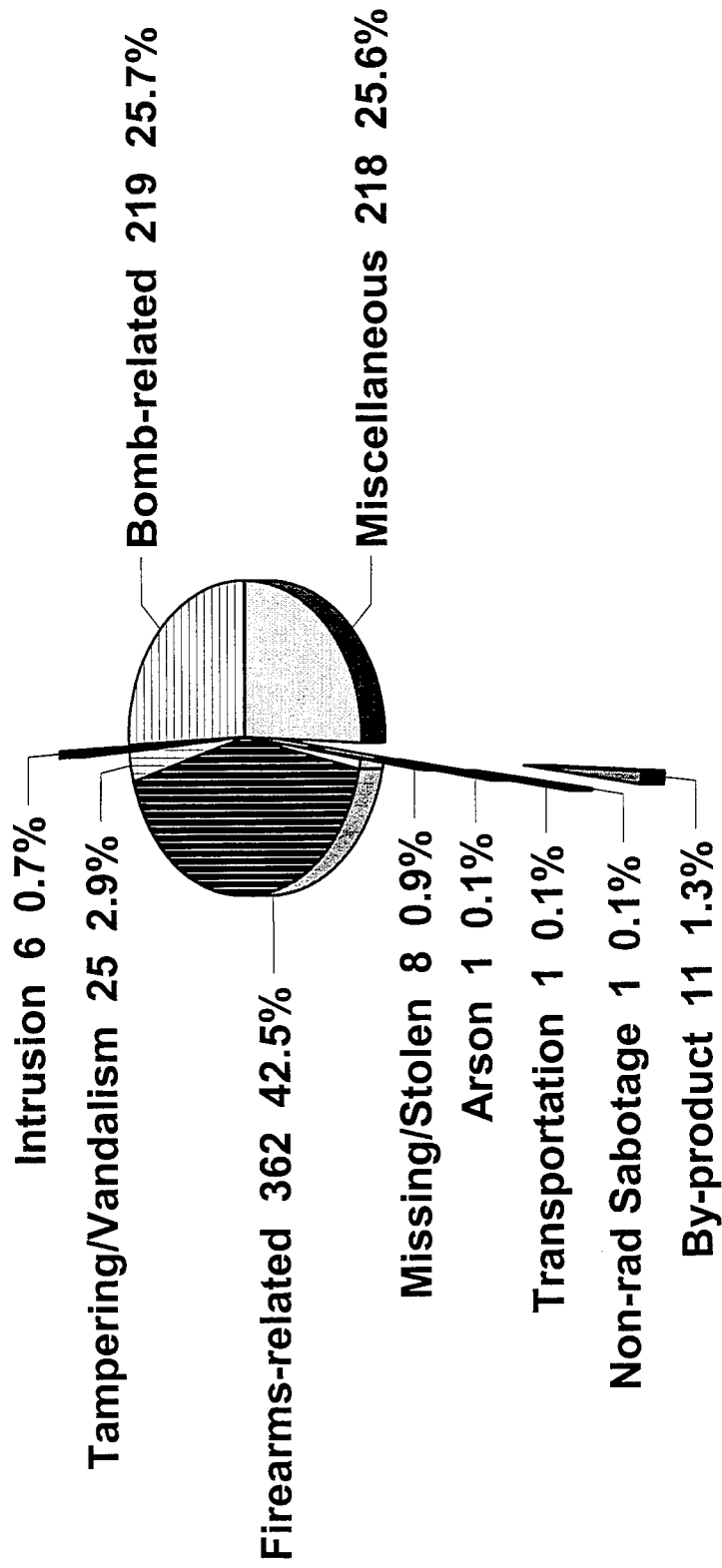
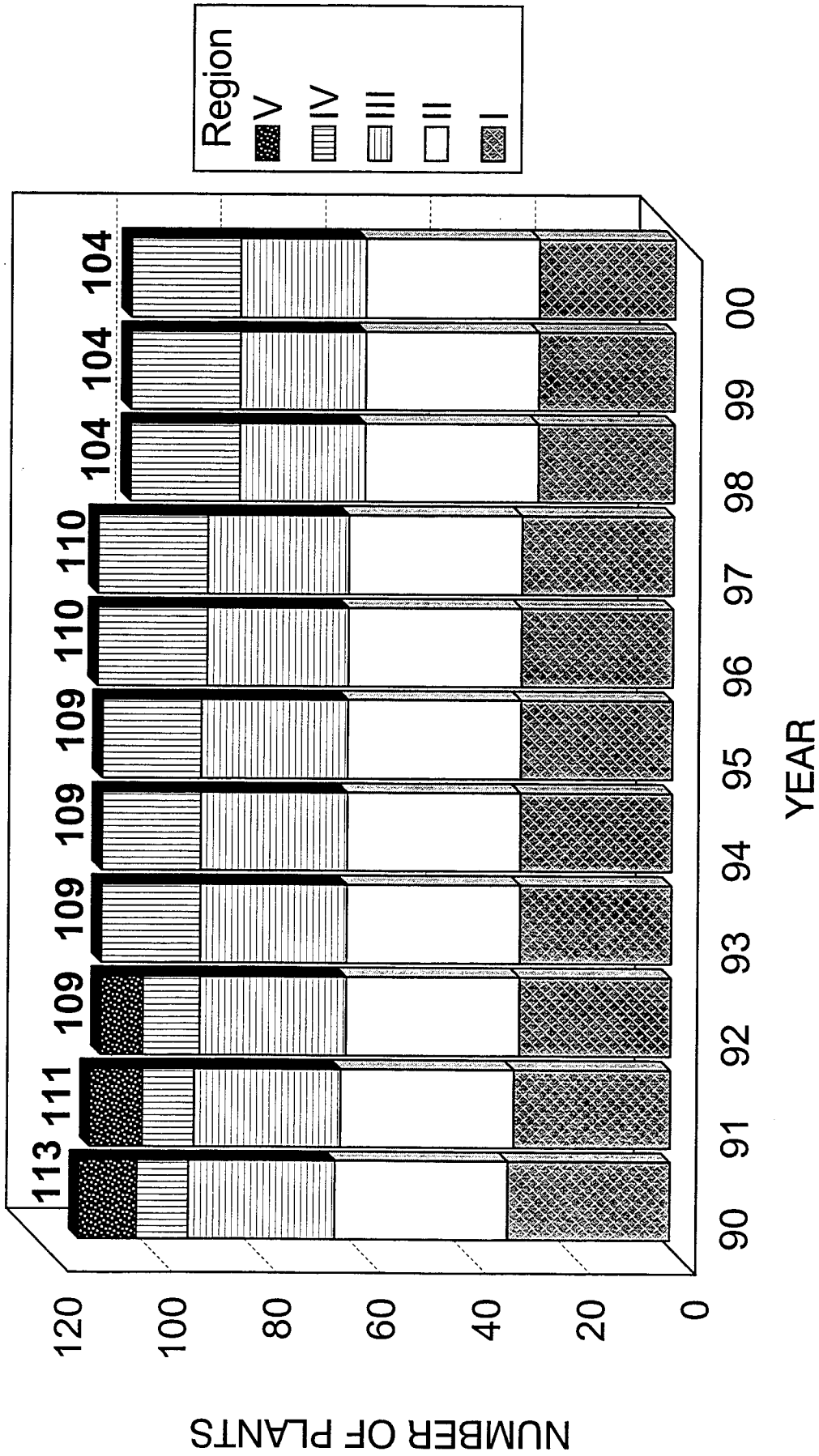


Figure 5

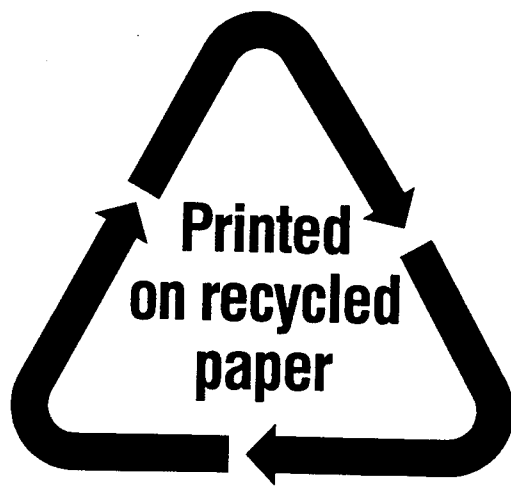
U.S. Commercial Power Reactors Licensed to Operate 1990-2000



Note: Regions IV and V were merged in 1993.

Figure 6

NRC FORM 335 (2-89) NRCM 1102, 3201, 3202	U.S. NUCLEAR REGULATORY COMMISSION	1. REPORT NUMBER (Assigned by NRC, Add Vol., Supp., Rev., and Addendum Numbers, if any.)				
BIBLIOGRAPHIC DATA SHEET <i>(See instructions on the reverse)</i>		NUREG-0525, Vol. 4				
2. TITLE AND SUBTITLE		3. DATE REPORT PUBLISHED				
Annual Safeguards Summary Event List (SSEL) 2000		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">MONTH</td> <td style="width: 50%;">YEAR</td> </tr> <tr> <td style="text-align: center;">May</td> <td style="text-align: center;">2001</td> </tr> </table>	MONTH	YEAR	May	2001
MONTH	YEAR					
May	2001					
January 1, Through December 31, 2000		4. FIN OR GRANT NUMBER				
5. AUTHOR(S)		6. TYPE OF REPORT				
A.A. Danis		Informational Listing				
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Safety and Safeguards Support Branch Division of Fuel Cycle Safety and Safeguards Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001						
9. SPONSORING ORGANIZATION - NAME AND ADDRESS <i>(If NRC, type "Same as above"; if contractor, provide NRC Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address.)</i>						
Same as 8. above.						
10. SUPPLEMENTARY NOTES						
11. ABSTRACT <i>(200 words or less)</i>						
<p>The Annual Safeguards Summary Event List (SSEL), 2000, provides brief summaries of safeguards-related events involving nuclear material or facilities regulated by the U.S. Nuclear Regulatory Commission (NRC) which occurred and were reported from January 1, 2000 through December 31, 2000. Events are described under the categories of Bomb-related, Intrusion, Missing and/or Allegedly Stolen, Transportation-related, Tampering/Vandalism, Arson, Firearms, Radiological Sabotage, Nonradiological Sabotage, Byproduct Materials, and Miscellaneous. The information contained in the event descriptions is derived primarily from official NRC reporting. Also included is a section on foreign SSEL incidents for purposes of comparison and to broaden the database of potential threat events. It is derived primarily from press reports.</p>						
12. KEY WORDS/DESCRIPTORS <i>(List words or phrases that will assist researchers in locating the report.)</i>		13. AVAILABILITY STATEMENT				
Safeguards Events Reactors Fuel Cycle Facilities Bomb Threats Malicious Incidents		unlimited				
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		<i>(This Page)</i>				
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