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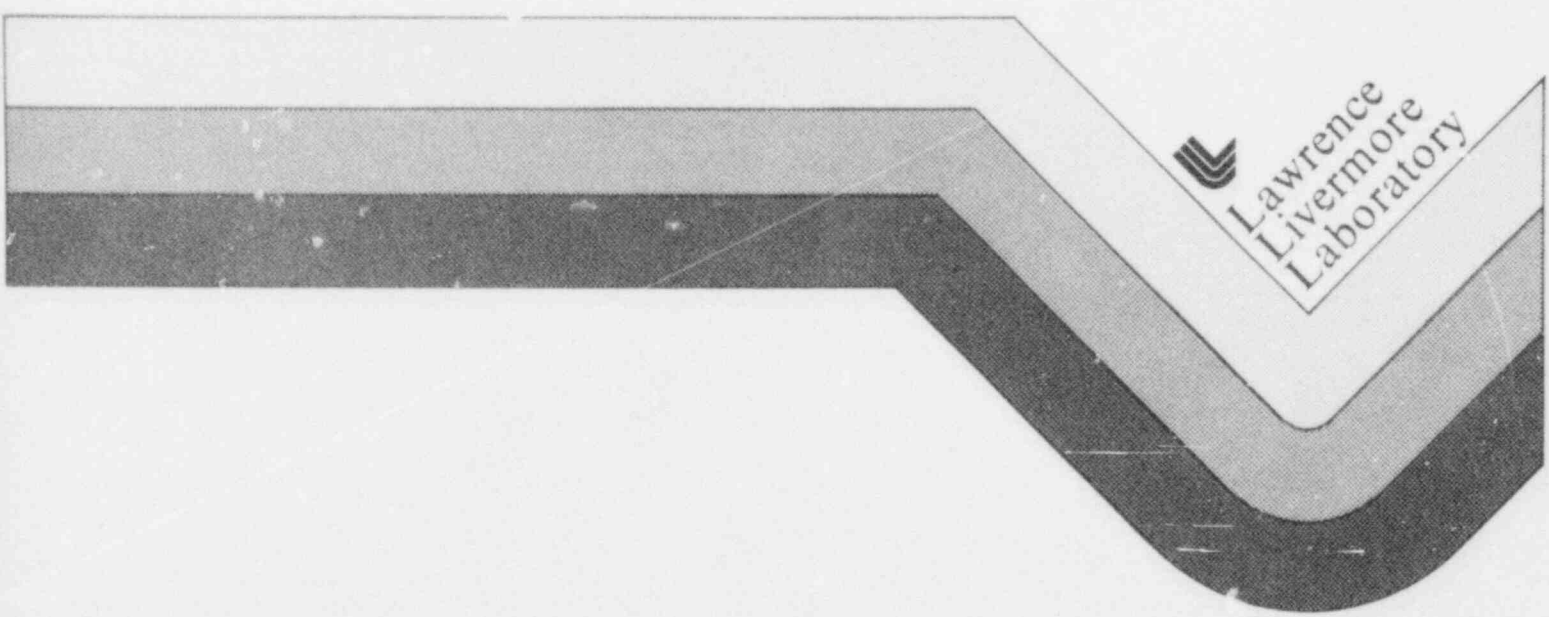
Safeguard Vulnerability Analysis Program (SVAP) Data-Gathering Handbook Volume I

P. S. Wahler

April 1980



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ABSTRACT

The data-gathering procedure for Safeguard Vulnerability Analysis Program (SVAP) is demonstrated on a simplified, hypothetical nuclear facility. Data typical to any safeguard assessment are gathered from the facility and entered in the handbook--an example of which makes up the appendix of this report--in response to a sequence of questions. The data so gathered are then rearranged in the second part of the handbook--a process called recording. The recorded data are in a form suitable for entering on a Tektronix 4051 computer keyboard. In a subsequent phase of SVAP, computer programs return results to the analyst on vulnerabilities in the facility's safeguard system.

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LIST OF ILLUSTRATIONS

FOREWORD

This is Volume I of the two-part Safeguards Vulnerability Analysis Program (SVAP) Data-Gathering Handbook. Volume II[1] consists of blank handbook forms which may be used by the Nuclear Regulatory Commission for conducting analyses in the future. For a full understanding of SVAP I refer the reader to the Executive Summary,[2] an overview, and the SVAP User's Manual,[3] a document for computer operation. Developed at Lawrence Livermore Laboratory, SVAP addresses one class of safeguards threat: theft or diversion of special nuclear material (SNM) by nonviolent insiders, acting individually or in collusion.

The present volume, the Data-Gathering Handbook, is more than a report of work; it is an example of a key tool that will be used by analysts in the actual execution of SVAP. By exhibiting this sample handbook, we wish not only to demonstrate how the SVAP data-gathering system would work, but we expect also that the NRC can determine from it what kinds of skills and experience an analyst would need to use it and to carry out a SVAP analysis.

I especially want to thank the SVAP team members, Frank Gilman, Maylin Dittmore, and William Orvis, and our technical editor, Frank Brunotts, for their valued contributions in the development of this handbook.

INTRODUCTION

This Data-Gathering Handbook is more than a report of work; it is an example of a key tool that will be used by safeguard analysts in the field as they apply the Safeguard Vulnerability Analysis Program (SVAP) to nuclear facilities.* The handbook acts as a data-transforming bridge between raw, uncategorized information in facility documents and a computer that can reorder the data into desired results. Without the handbook, or some analog to it, the information we seek from a facility when we assess its safeguard system remains randomly arranged and is therefore of little utility.

The handbook's cardinal function then is to act as a data organizer for the analyst. It provides a structure for arranging information systematically and it does this by asking a series of questions. For example, as a beginning, it asks the analyst to assign an ID code to every area, door, monitor, transmission line, and utility component in a facility (see Appendix--Section I). From there, it proceeds to ask the analyst for all classes of information that are necessary to assessing a facility's safeguard system. And it requires that the analyst write the information on the appropriate page of the handbook. After the first phase of gathering data and writing it in the handbook comes the second phase--reordering and recording the data in the second part of the handbook (see Appendix--Section II). Once all the data have been gathered and written in the first part of the handbook (Phase 1) and properly recorded in the second part of the handbook (Phase 2), the analyst enters the data into the Tektronix 4051 computer. (See the Executive Summary[2] for a description of how the SVAP computer system produces the assessment output.)

The analyst is encouraged to follow the structured sequence of data-gathering and recording presented here. Once the analyst gains familiarity with this structure, however, a sequence developed by the individual analyst may become more convenient.

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*SVAP addresses one class of safeguards threat: theft or diversion of special nuclear material (SNM) by nonviolent insiders, acting individually or in collusion. SVAP makes no attempt to analyze for threats by violent insiders or outsiders of any type, nor does it address issues of sabotage.

A summary step-by-step account of the SVAP data-gathering procedure follows. For a further description of data-gathering, consult the SVAP User's Manual.[3]

PHASE 1: SVAP DATA-GATHERING PROCEDURE

According to the intended SVAP design, every facility assessment must begin with data-gathering. While it is conceivable that an analyst can collect sufficient data merely by examining facility documents (even in an NRC office), a visit to the facility is regarded by the SVAP designers as indispensable to an effective analysis. Facility documents will always be the primary information source but a facility inspection by the analyst is necessary to verify and support documentary data.

We shall now describe the recommended basic steps for collecting the data and entering them in the handbook.

1. The analyst must create from facility sources (architectural drawings are ideal) a series of detailed layouts or floor plans of the facility that would show all pertinent features of the facility, such as rooms (also called areas or zones), walls, fences, portals, monitors, locks, gates, transmission lines, junction boxes, emergency batteries, etc. An overall drawing of the entire facility is made, which is supplemented by detailed drawings of various sections of the facility. In most cases it will probably be desirable to make separate drawings to show the locations of the components named above. For example, a detailed drawing would be made for monitors, another for portals, and so on. We recommend that each drawing be made on 8 1/2 × 11 sheets for convenience in working with the handbook. The analyst will judge the degree of detail needed in each drawing and will also decide on the number of drawings necessary. It is preferable to make several drawings of a given area on separate sheets than to compress in a single drawing an area that needs close description. See Fig. 1 for a simplified example drawing of an overall facility layout.

2. The analyst must next assign ID codes to all areas, portals, monitors, transmission lines, utility components and record the ID codes on the facility drawings (see Figs. 2 and 3) and on the data-collection forms

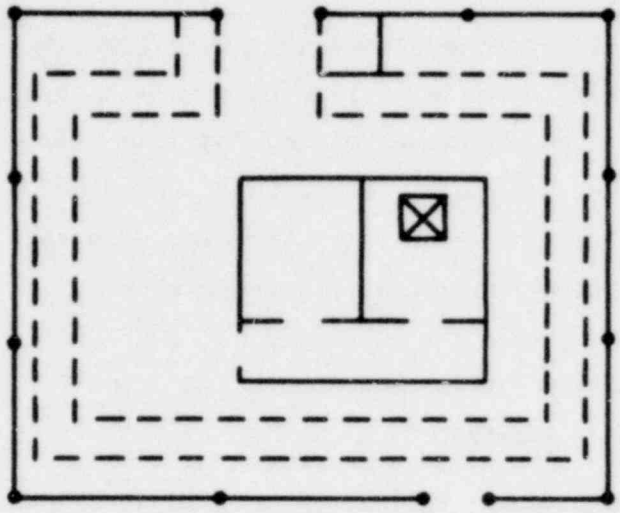

FIG. 1. The overall facility plan drawing of a highly simplified hypothetical nuclear installation before labels and code designations have been added by the analyst to identify components.

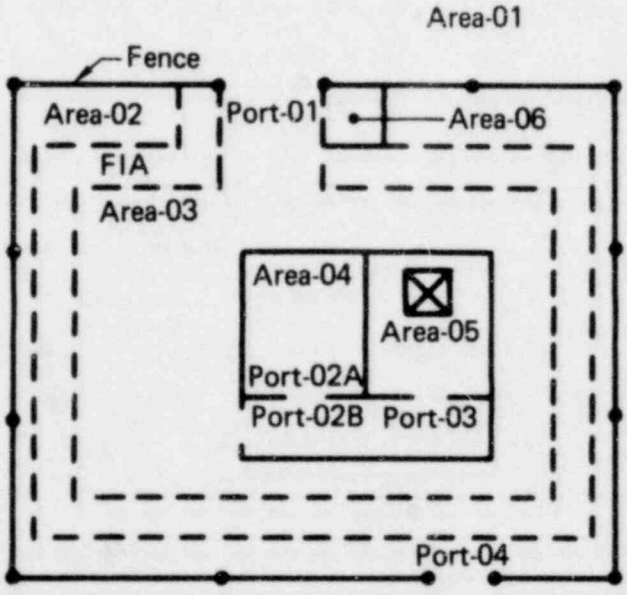

FIG. 2. The same overall facility plan as shown in Fig. 1, but note the safeguard analyst has now labeled all areas and portals: Area-01 is all space outside the facility fenceline; Area-02 is the area between the fence and the fence intrusion area; FIA is the fence intrusion area; Area-03 is the area between the FIA and the building; and so on. All portals have been labeled in a like manner. Supplementary drawings would show monitor locations (see Fig. 3), transmission lines, and utility lines. Other supplementary drawings would be blowups of particular areas.

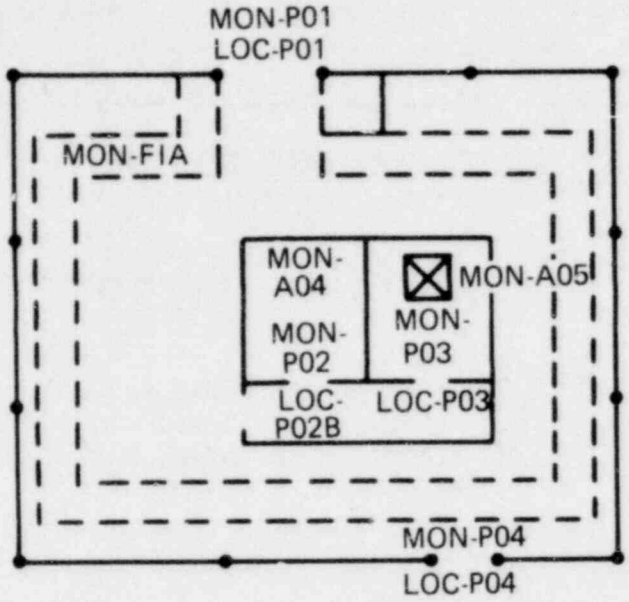

FIG. 3. A supplementary drawing of the same facility shown in Figs. 1 and 2, this one indicating the locations of monitors and locks in the facility.

(see Fig. 4). Thus, in Fig. 2, the analyst has designated all the space outside the facility fenceline as Area-01 and has so labeled that area on the plan drawing. Likewise, the analyst has labeled each discrete area within the facility's perimeter. Areas may be rooms, parts of rooms defined by a monitor's field of view, outside areas defined by fences, monitor fields of view, etc. When an area designation is made on the plan drawing, the analyst creates a data-collection form for that area in the handbook (see Fig. 4) so that each area will have a separate data-collection form. After all areas have been assigned labels, the labels have been written on the plan drawing, and a data-collection form made for each area, the analyst then repeats the same steps for all portals in the facility, then all monitors, all transmission lines, and all utility components.*

*The analyst is encouraged to follow the data-gathering sequence presented here. Once the analyst has become familiar with this structure, however, a sequence developed by the analyst may be more convenient. For instance, the analyst may well interrupt the code designation phase after treating only the areas, doors, and monitors, not assigning codes to the transmission lines and utility components until later. Instead, he can at that point fill out entirely the data-collection forms for each area, monitor, and door. This might be more efficient because it will make the facility more familiar to the analyst, thus easing the subsequent data-collecting work.

AREA AND DOOR DATA COLLECTION FORM

AREA OR DOOR ID CODE AREA - 01
DESCRIPTION ALL THE AREA OUTSIDE THE FENCE

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PORT - 01 PORT - 04 FENCE

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ALL

FIG. 4. An example page from the SVAP Data-Gathering Handbook, this one an area and door data-collection form for Area-01.

We have used the word "all" in the foregoing paragraph to emphasize that the analyst should strive for completeness in assigning labels to facility components. However, we realize that in analyzing a real facility the analyst may well overlook some components. These missed components will be identified later in the data-gathering process in a second or third review of facility components, or during the analyst's facility tour (step 6 below), or when the analyst responds to the questions and commands on each of the data-collection forms. For example, the area and door collection form makes as one command: "List below the ID codes for all the areas and doors you can go to from this area or door." If the analyst has overlooked an area or door adjacent to the area or door under examination, he will note it now as a response to this question when he consults his facility diagrams to look for adjacent areas and doors. The same kind of reviews apply to data-gathering for other components, as described in steps 3 through 5.

3. The third data-gathering step is to identify all authorized SNM source locations--in other words, to identify targets. A data-collection form is filled out for each SNM source location. The analyst should also indicate the SNM source locations on the appropriate facility drawings.

4. Assign ID codes to all work categories in the facility. For example, each guard position is given a number (Guard-01, Guard-02), as is each position for accountants, maintenance workers, and so on. In other words, individual people are not given ID codes (i.e., John Doe is not labeled Guard-01), but the position held by an individual is labeled. Therefore, fifteen persons may be used to fill three different guard positions on different shifts on different days, but ID codes are assigned only to the three guard positions (Guard-01, Guard-02, Guard-03). The code designations for work categories are entered on authorization list data-collection forms.

5. The analyst next assigns ID codes to all loss-detection methods in the facility and fills out a data-collection sheet for each such method. The same procedure is repeated for all material accounting records and material accounting forms.

6. At this point in the data-gathering phase a data-collection form will exist for all or nearly all components in the facility's safeguard system. But a facility survey is now made to verify data gathered from facility documents and to detect missing information. This tour of the facility should be looked upon as a self-audit--or, if facility personnel have filled out the handbook, which is an option the NRC may select, as an audit of the plant's data-gathering. More than one facility survey may be necessary. Equipped with the data-gathering handbook, the analyst should begin the facility tour by going to each area, door, and monitor that has been assigned an ID code. He should then verify the information he took from facility documents about each of these components, and he will at this time respond to the questions and commands on each data-collection form for each component, thus completing each form in the handbook. Those facility components that do not have permanent locations (such as persons, documents, records, and forms) can be verified by interviewing plant personnel. At that point all the data collection forms should be completely filled out.

7. The analyst must now record all ID codes and their definitions in alphanumeric sequence to compile an ID code definition list. (See appendix, p. 20.)

Compiling the code definition list completes the data-gathering phase and brings us to Phase 2, the data-recording procedure.

PHASE 2: SVAP DATA-RECORDING PROCEDURE

Now that all the data have been gathered in Phase 1 they must be arranged--or recorded, as we say here--into a form suitable for computer entry and code computation. Data-recording is a process that is made simple by the design of Phase 2.

All facility data will ultimately be entered into the Tektronix 4051 computer in a series of groupings, or files--37 in all. The object of Phase 2 is to arrange the data already gathered in Phase 1 into the files of Phase 2. No new data is to be gathered. Therefore, the pages in Section II of the handbook present the analyst with requests for lists of data from Section I and for certain relationships among those data.

Section II consists of two types of files--list and matrix. The first is a list of a class of facility components, the second an expression of relationships between classes of components. For example, file 2 is a list of all areas and doors (the same alphanumeric code designations for facility components that were used in Section I are used in Section II) in the facility, and file 3, when completed, shows which areas and doors one may go to from every area and door--an adjacency matrix. In a similar manner, other component relationships are established in the various files.

File 1 (an anomaly) is a free-format text file for descriptive information, such as the name of the facility, the analyst's name, the date, the purpose of the analysis, and any other information the analyst may wish to show in the output.

The data for files 2 through 33 are taken by the analyst from Section I of the handbook as they are called for by the requests in each successive file sheet. We recommend placing all ID codes in Section II in alphanumeric order on each sheet to simplify locating data when filling out subsequent files, and also in each list-type file (as opposed to matrix-type file) numbering the alphanumeric entries; such practices will provide a good input verification point with the computer. The matrix-type files require data that further describe previously listed ID codes and in a few cases they require values to be placed on ID codes, times, and probabilities. Files 35 and 36 are created without user input.

A step-by-step guide for filling out Section II of the handbook follows. It will be noted that the step numbers do not correspond with the file numbers

after step 6 because in step 7 the data for file 37--a probability value matrix--are needed in subsequent files for other matrices. Likewise in step 25, file 34--a detection time matrix--is introduced out of normal sequence. These two anomalies in file sequence do not affect in any way the data-recording process. In fact, the Tektronix 4051 computer is set up to accommodate these anomalies.

Step 1. Create file 1 (a text file) in free format, recording pertinent information about the analysis.

Step 2. Record the area/door ID codes in alphanumeric sequence to create file 2 (an area-portal list file), numbering each entry so that the total number of entries can be compared later with the computer count of input items for this list file.

Step 3. Create file 3 (an adjacency matrix file) by recording each ID code listed in file 2 and the adjacency ID codes given in question 1 of each corresponding area/door data-collection form.

Examples:	Area-01	Port-01	Port-04	FENCE
	Area-02	FENCE	FIA	Port-04

Step 4. Record in file 4 (a monitor-lock list file) all of the monitor ID codes in alphanumeric sequence and number each entry.

Step 5. Create file 5 (an area/monitor-lock matrix file) by recording each ID code in file 2 (areas and portals) and the ID codes given in question 2 of each corresponding area/door data-collection form.

Step 6. Record the ID codes in file 6 (an authorization list file) for all personnel (by work category) that work in this facility.

Step 7. To create file 37 (a probability value matrix file), give for each of four probability codes a value to be associated with that ID code.

PROB1 = PROB3 =

PROB2 = PROB4 =

Step 8. Create file 7 (a monitor-lock/authorization matrix file) by recording each ID code in file 4 and the ID codes given in question 1 of each corresponding monitor data-collection form.

Step 9. Create file 8 (a monitor-lock/failure matrix file) by recording each ID code in file 4 and the probability of failure for each monitor given in question 2 of the monitor data-collection form.

Step 10. Record in file 9 (a transmission line list file) all the transmission line ID codes in alphanumeric sequence and number each entry.

Step 11. Create file 10 (a monitor-lock/transmission line matrix file) by recording each ID code in file 4 and the ID codes given in question 3 of each corresponding monitor data-collection form.

Step 12. Record in file 11 (a utilities list file) all the utility component ID codes in alphanumeric sequence and number each entry.

Step 13. Create file 12 (a monitor-lock/utilities matrix file) by recording each ID code in file 4 and the ID codes given in question 4 of each corresponding monitor data-collection form.

Step 14. Create file 13 (a transmission line/authorization matrix file) by recording each ID code in file 9 and the ID codes given in question 1 of each corresponding transmission line data-collection form.

Step 15. Create file 14 (a utilities/authorization matrix file) by recording each ID code in file 11 and the ID codes given in question 1 of each corresponding utility components data-collection form.

Step 16. Create file 15 (an area/authorization matrix file) by recording each ID code in file 2 and the ID codes given in question 3 of each corresponding area/door data-collection form.

Step 17. Create file 16 (a monitor-lock/response matrix file) by recording each ID code in file 4 and the ID codes given in question 5 of each corresponding monitor data-collection form.

Step 18. Create file 17 (a response-authorization matrix file) by recording each ID code in file 4 and the ID codes given in question 6 of each corresponding monitor data-collection form.

Step 19. Record in file 18 (a document list file) the ID codes for all the internal material control documents used in the facility in alphanumeric sequence and number each entry.

Step 20. Complete the data-recording form for file 19 (a monitor-lock/document matrix file) by recording each ID code in file 4 and the ID codes given in question 7 of each corresponding monitor data-collection form.

Step 21. Complete the data-recording form for file 20 (a document/authorization matrix file) by recording each ID code in file 18 and the ID codes given in question 1 of each corresponding document data-collection form.

Step 22. Record in file 21 (an SNM source list file), in alphanumeric sequence, the ID codes for SNM source locations and number each entry.

Step 23. Record in file 22 (an SNM source/quantity matrix file) for each ID code in file 21 the effective amount of SNM present, given in question 1 of each corresponding SNM source location data-collection form.

Step 24. Record, in alphanumeric sequence, in file 23 (a loss-detection methods list file) the ID codes for the loss-detection methods used and number each entry.

Step 25. To create file 34 (an accounting system detection time matrix file), give each of the four time ID codes a value in number of days:

TIME1 = TIME3 =

TIME2 = TIME4 =

Step 26. Complete the data-recording form for file 24 (an SNM source/loss-detection methods matrix file) by recording each ID code in file 21 and the ID codes given in question 2 of each corresponding SNM source location data-collection form.

Step 27. Record in file 25 (a records list file), in alphanumeric sequence, all the ID codes for material accounting records used and number each entry.

Step 28. Complete the data-recording form for file 26 (a loss-detection methods/records matrix file) by recording each ID code in file 23 and the ID codes given in question 1 of each corresponding loss-detection methods data-collection form.

Step 29. Complete the data-recording form for file 27 (a records/records matrix file) by recording each ID code in file 25 and the ID codes given in question 1 of each corresponding material accounting records data-collection form.

Step 30. Record in file 28 (a forms list file), in alphanumeric sequence, all the ID codes for material accounting forms used in the facility and number each entry.

Step 31. Complete the data-recording form for file 29 (a records/forms matrix file) by recording each ID code in file 25, and the ID codes given in question 2 of each corresponding material accounting records data-collection form.

Step 32. Complete the data-recording form for file 30 (a loss-detection methods/authorization matrix file) by recording each ID code in file 26 and the ID codes given in question 2 of each corresponding loss-detection methods data-collection form.

Step 33. Complete the data-recording form for file 31 (a records/authorization matrix file) by recording each ID code in file 25 and the ID codes given in question 3 of each corresponding material accounting records data-collection form.

Step 34. Complete the data-recording form for file 32 (a forms/authorization matrix file) by recording each ID code in file 28 and the ID codes given in question 1 of each corresponding material accounting forms data-collection form.

Step 35. Complete the data-recording form for file 33 (an SNM source/exit point matrix file) by recording each ID code in file 21 and the ID codes given in question 3 of each corresponding SNM source location data-collection form.

When all the data-gathering forms have been completed, the analyst is ready to enter the data into the Tektronix 4051 computer.

REFERENCES

1. P. S. Wahler, Safeguard Vulnerability Analysis Program (SVAP) Data-Gathering Handbook, Volume II, Lawrence Livermore Laboratory, Livermore, Calif., UCRL-52731, Vol. II (January 1980); NUREG/CR-1169, Vol. II.

2. F. M. Gilman, M. H. Dittmore, W. J. Orvis, P. S. Wahler, Safeguard Vulnerability Analysis Program (SVAP) Executive Summary, Lawrence Livermore Laboratory, Livermore, Calif., UCRL-52724 (December 1979); NUREG/CR-1169,ES.

3. W. J. Orvis, Safeguard Vulnerability Analysis Program (SVAP) User's Manual, Lawrence Livermore Laboratory, Livermore, Calif., UCRL-52730 (November 1979); NUREG/CR-1169 , Vol. III.

NOTE: The above-cited reports are available for purchase from the NRC/GPO Sales Program, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, and the National Technical Information Service, Springfield, Virginia 22161.

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APPENDIX

The Data-Gathering Handbook

SECTION I
Data Gathering

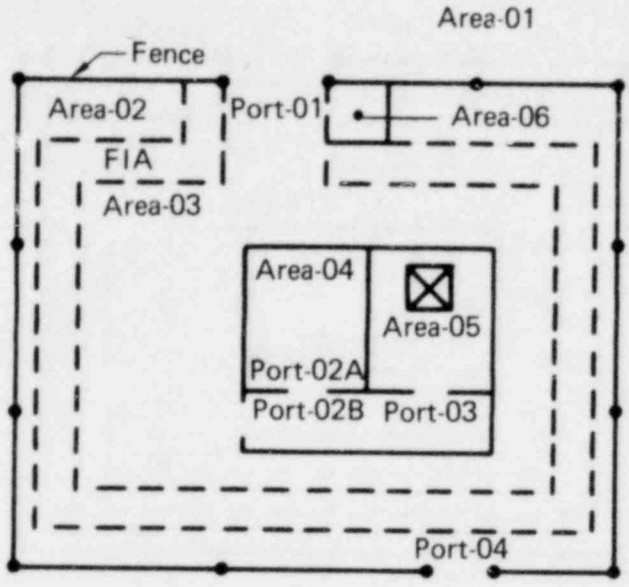

FIG. A-1. Facility layout drawing showing areas and portals.

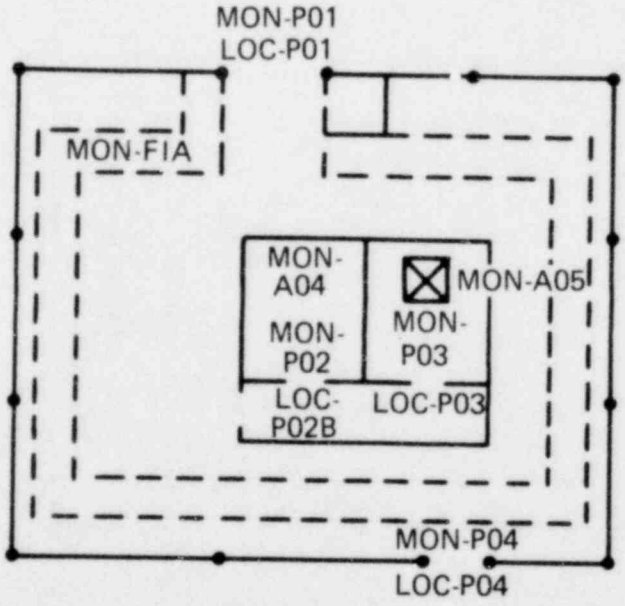

FIG. A-2. Facility layout drawing showing monitors and locks.

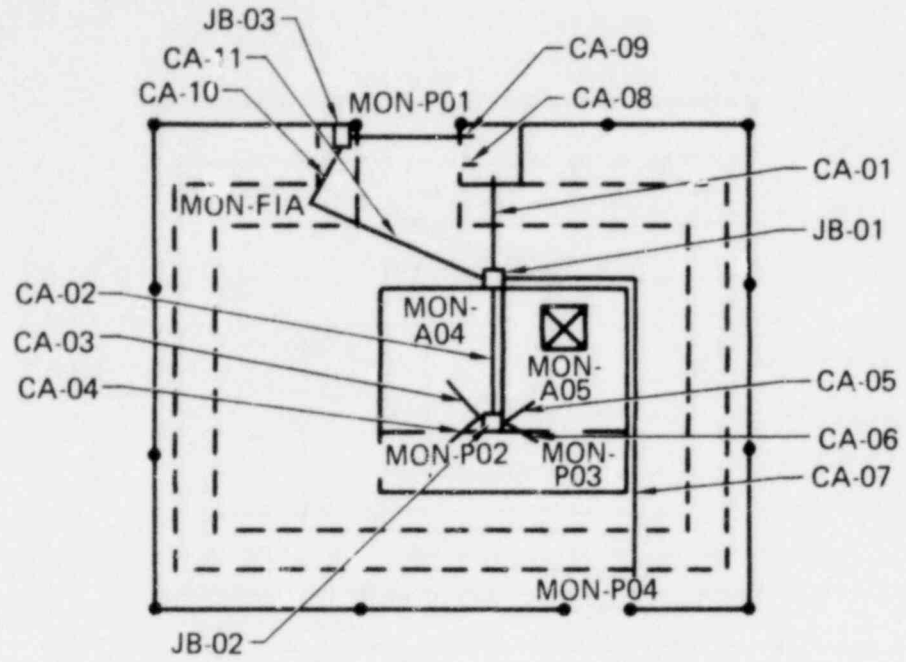

FIG. A-3. Facility layout drawing showing monitors, cable runs, and junction boxes.

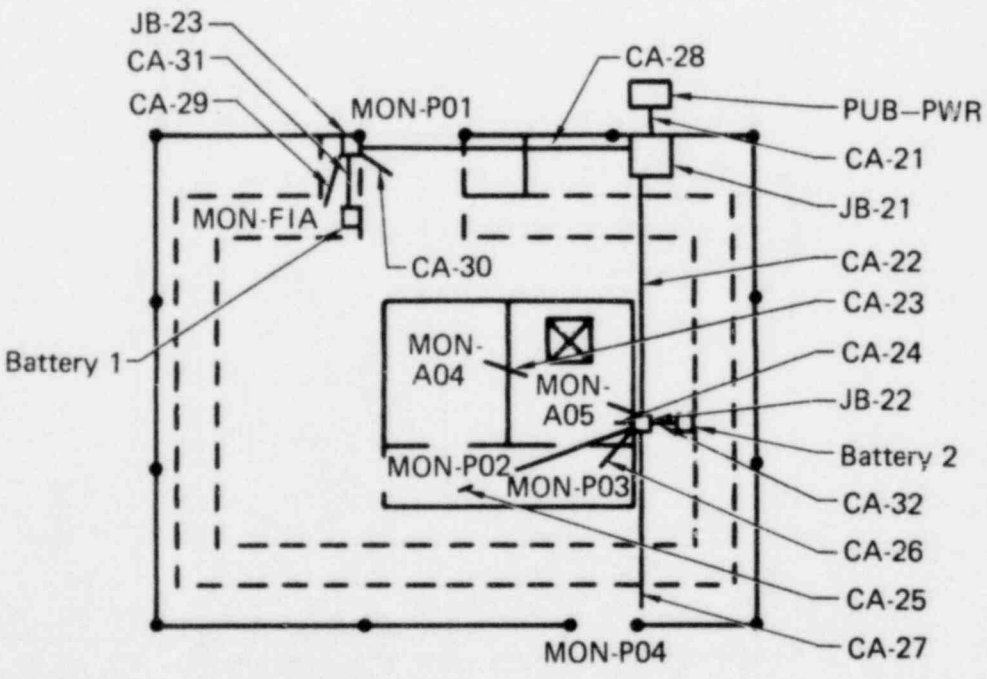

FIG. A-4. Facility layout drawing showing monitors, cable runs, junction boxes, batteries, and public power utilities.

ID CODE DEFINITION LIST

ACCT-01	ACCOUNTANT NO.1
ACCT-02	ACCOUNTANT NO.2
AREA-01	ALL THE AREA OUTSIDE THE FENCE
AREA-02	THE AREA BETWEEN THE FENCE AND THE FENCE INTRUSION AREA
AREA-03	THE AREA BETWEEN THE FENCE INTRUSION AREA AND THE BUILDING
AREA-04	THE AREA INSIDE THE LEFT ROOM
AREA-05	THE AREA INSIDE THE RIGHT ROOM
AREA-06	THE AREA INSIDE THE GUARD STATION
ASAYFORM	ASSAY FORM
ASSAYREC	ASSAY RECORD
BATTERY1	BATTERY NO.1
BATTERY2	BATTERY NO.2
BROKSEAL	BROKEN SEAL
CA-01	CABLE RUN NO.1
CA-02	CABLE RUN NO.2
CA-03	CABLE RUN NO.3
CA-04	CABLE RUN NO.4
CA-05	CABLE RUN NO.5
CA-06	CABLE RUN NO.6
CA-07	CABLE RUN NO.7
CA-08	CABLE RUN NO.8
CA-09	CABLE RUN NO.9
CA-10	CABLE RUN NO.10

ID CODE DEFINITION LIST

CA-11	CABLE RUN NO. 11
CA-21	CABLE RUN NO. 21
CA-22	CABLE RUN NO. 22
CA-23	CABLE RUN NO. 23
CA-24	CABLE RUN NO. 24
CA-25	CABLE RUN NO. 25
CA-26	CABLE RUN NO. 26
CA-27	CABLE RUN NO. 27
CA-28	CABLE RUN NO. 28
CA-29	CABLE RUN NO. 29
CA-30	CABLE RUN NO. 30
CA-31	CABLE RUN NO. 31
CA-32	CABLE RUN NO. 32
ENG-11	ENGINEER, TYPE 1, NO. 1
ENG-21	ENGINEER, TYPE 2, NO. 1
ENG-22	ENGINEER, TYPE 2, NO. 2
FENCE	FENCE
FIA	FENCE INTRUSION AREA
F-706	FORM NO. 706
GUARD-01	GUARD NO. 1
INC-SER	INCORRECT SERIAL NUMBER
INV-DIF	INVENTORY DIFFERENCE
INVNTORY	INVENTORY FORM
ITEMREC	ITEM RECORD
JB-01	JUNCTION BOX NO. 1

ID CODE DEFINITION LIST

JB-02	JUNCTION BOX NO. 2
JB-03	JUNCTION BOX NO. 3
JB-21	JUNCTION BOX NO. 21
JB-22	JUNCTION BOX NO. 22
JB-23	JUNCTION BOX NO. 23
LOC-P01	LOCK ON PORTAL 01
LOC-P02B	LOCK ON PORTAL 02B
LOC-P03	LOCK ON PORTAL 03
LOC-P04	LOCK ON PORTAL 04
MAINT-01	MAINTENANCE PERSON NO. 1
MIS-ITM	MISSING ITEM
MON-A04	MONITOR A04
MON-A05	MONITOR A05
MON-FIA	MONITOR FIA
MON-P01	MONITOR P01
MON-P02	MONITOR P02
MON-P03	MONITOR P03
MON-P04	MONITOR P04
MOVEFORM	FORM THAT ALLOWS MATERIAL TRANSFER
PLA-MGR	PLANT MANAGER
PORT-01	THE FRONT GATE
PORT-02A	DOOR OUT OF LEFT ROOM
PORT-02B	DOOR INTO LEFT ROOM
PORT-03	DOOR TO THE RIGHT ROOM
PORT-04	THE BACK GATE

ID CODE DEFINITION LIST

PROB1	PROBABILITY OF DETECTION VALUE NO. 1
PROB2	PROBABILITY OF DETECTION VALUE NO. 2
PROB3	PROBABILITY OF DETECTION VALUE NO. 3
PROB4	PROBABILITY OF DETECTION VALUE NO. 4
PUB-PWR	PUBLIC POWER UTILITY
PWR-EMP	EMPLOYEE OF THE POWER COMPANY
SEALFORM	SEAL FORM
SEALREC	SEAL RECORD
TIME1	TIME FRAME FOR DETECTION IN DAYS NO. 1
TIME2	TIME FRAME FOR DETECTION IN DAYS NO. 2
TIME3	TIME FRAME FOR DETECTION IN DAYS NO. 3
TIME4	TIME FRAME FOR DETECTION IN DAYS NO. 4
VISITOR	VISITOR
WRNGSEAL	WRONG SEAL

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE AREA-01

DESCRIPTION ALL THE AREA OUTSIDE THE FENCE

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PORT-01 PORT-04 FENCE

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ALL

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE AREA-02

DESCRIPTION THE AREA BETWEEN THE FENCE AND THE FENCE INTRUSION AREA

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

FENCE FIA PORT-04

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND MAINT-01 OR GUARD-01

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE AREA-03

DESCRIPTION THE AREA BETWEEN THE FENCE INTRUSION AREA AND THE BOILDING

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

FIA PORT-02A PORT-03 AREA-06

PORT-01

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE AREA-04

DESCRIPTION THE AREA INSIDE THE LEFT ROOM

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PORT-02B

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-A04

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-11 OR ENG-21 OR ENG-22 OR MAINT-01 AND GUARD-01 OR PLA-MGR OR ACCT-01 OR ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE AREA-05

DESCRIPTION THE AREA INSIDE THE RIGHT ROOM

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PORT-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-A05

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-21 AND (ENG-22 OR GUARD-01) OR
PLA-MGR AND GUARD-01 OR ACCT-01
AND ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE AREA-06

DESCRIPTION THE AREA INSIDE THE GUARD STATION

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND (VISITORS OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE FIA

DESCRIPTION FENCE INTRUSION AREA

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-02 AREA-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-FIA

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE PORT-01

DESCRIPTION THE FRONT GATE

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-01 AREA-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-P01 AND LOC-P01

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE PORT-02A

DESCRIPTION DOOR OUT OF LEFT ROOM

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-04

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-P02

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-11 OR ENG-21 OR ENG-22 OR MAINT-01
AND GUARD-01 OR PLA-MGR OR ACCT-01

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE PORT-02B

DESCRIPTION DOOR INTO LEFT ROOM

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-P02 AND LOC-P02B

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-11 OR ENG-21 OR ENG-22 OR MAINT-01
AND GUARD-01 OR PLA-MGR OR ACCT-01

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE PORT-03

DESCRIPTION DOOR TO THE RIGHT ROOM

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-05 AREA-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-P03 AND LOC-P03

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND (ENG-21 OR PLA-MGR) OR ENG-21 AND ENG-22 OR ACCT-01 AND ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE PORT-04

DESCRIPTION THE BACK GATE

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-01 AREA-03

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MON-P04 AND LOC-P04

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02

AREA AND DOOR DATA-COLLECTION FORM

AREA OR DOOR ID CODE FENCE

DESCRIPTION FENCE

1) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS YOU CAN GO TO FROM THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 3 (ADJACENCY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-01 AREA-02

2) LIST BELOW THE ID CODES FOR ALL THE MONITORS THAT COVER THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 5 (AREA/MONITOR-LOCK MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

3) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS AREA OR DOOR; THEN, ENTER THE LIST WITH THIS AREA OR DOOR ID CODE IN FILE 15 (AREA/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

MONITOR ID CODE MON-A04

DESCRIPTION MONITOR A04

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.1

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-03 AND JB-02 AND CA-02 AND JB-01 AND CA-01

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-23 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE MON-A05

DESCRIPTION MONITOR A05

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND MAINT-01 OR ENG-21 AND MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.1

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-05 AND JB-02 AND CA-02 AND JB-01 AND CA-01

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-24 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE MON-FIA

DESCRIPTION MONITOR FIA

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.03

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-10 AND JB-03 AND CA-09 OR CA-11 AND JB-01 AND CA-01

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-29 AND JB-23 AND (CA-28 AND JB-21 AND CA-21 AND PUB-PWR OR CA-31 AND BATTERY1)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE MON-P01

DESCRIPTION MONITOR P01

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.005

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-08

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-30 AND JB-23 AND (CA-28 AND JB-21 AND CA-21 AND PUB-PWR OR CA-31 AND BATTERY1)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE MON-P02

DESCRIPTION MONITOR P02

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.005

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-04 AND JB-02 ,AND CA-02 AND JB-01 AND CA-01

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-25 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE MON-P03

DESCRIPTION MONITOR P03

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 AND MAINT-01 OR ENG-21 AND MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.005

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-06 AND JB-02 AND CA-02 AND JB-01 AND CA-01

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-26 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR DATA-COLLECTION FORM (1 of 2)

MONITOR ID CODE MON-P04

DESCRIPTION MONITOR P04

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.005

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-07 AND JB-01 AND CA-01

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

CA-27 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-03

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR DATA-COLLECTION FORM (1 of 2)

MONITOR ID CODE LOC-P01

DESCRIPTION LOCK ON PORTAL 01

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.000001

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE LOC-P02B

DESCRIPTION LOCK ON PORTAL 2 B

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND GUARD-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.000001

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE LOC-P03

DESCRIPTION LOCK ON PORTAL 3

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-03 AND GUARD-01 OR MAINT-01 AND ENG-21

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.000001

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

MONITOR ID CODE LOC-P04

DESCRIPTION LOCK ON PORTAL 4

1) LIST BELOW THE ID CODES FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 7 (MONITOR-LOCK/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

2) LIST BELOW THE PROBABILITY OF FAILURE FOR THIS MONITOR THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 8 (MONITOR-LOCK/ FAILURE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.000001

3) LIST BELOW THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 10 (MONITOR-LOCK/ TRANSMISSION LINE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

4) LIST BELOW THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 12 (MONITOR-LOCK/UTILITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

5) LIST BELOW THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 16 (MONITOR-LOCK/RESPONSE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

6) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 17 (RESPONSE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

NONE

7) LIST BELOW THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THIS MONITOR WITHOUT SETTING AN ALARM; THEN, ENTER THE LIST WITH THIS MONITOR ID CODE IN FILE 19 (MONITOR-LOCK/DOCUMENT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

F-706

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE ENG-11

DESCRIPTION ENGINEER, TYPE 1, NO. 1

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE ENG-21

DESCRIPTION ENGINEER, TYPE 2, NO.1

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE ENG-22

DESCRIPTION ENGINEER, TYPE 2., NO. 2

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE GUARD-01

DESCRIPTION GUARD NO. 1

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE ACCT-01

DESCRIPTION ACCOUNTANT NO.1

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE ACCT-02

DESCRIPTION ACCOUNTANT NO.2

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE PLA-MGR

DESCRIPTION PLANT MANAGER

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE MAINT-01

DESCRIPTION MAINTENANCE PERSON NO.1

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE PWR-EMP

DESCRIPTION EMPLOYEE OF THE POWER COMPANY

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

AUTHORIZATION LIST DATA-COLLECTION FORM

WORK CATEGORY ID CODE VISITOR

DESCRIPTION VISITOR

NOTE:

THE AUTHORIZATION LIST (FILE 6, SECTION II) IS A LIST OF ALL WORK CATEGORIES WHICH INTERACT WITH THE FACILITY SAFEGUARDS SYSTEMS. UNLIKE THE OTHER LIST FILES, THIS LIST DOES NOT FORM THE BASIS OF ANY MATRICES. THEREFORE, NO QUESTIONS ARE ASKED ON THIS FORM. HOWEVER, THE AUTHORIZED WORK CATEGORIES LISTED HERE ARE USED AS ANSWERS IN SEVERAL OF THE MATRIX FILES FOLLOWING FILE 6. THE FORM'S PURPOSE, THEN, IS TO ESTABLISH AND ACCURATELY DESCRIBE THE AUTHORIZED WORK CATEGORIES INVOLVED IN THE FACILITY'S SAFEGUARDS SYSTEM.

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-01

DESCRIPTION CABLE RUN NO.1

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-02

DESCRIPTION CABLE RUN NO. 2

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND GUARD-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-03

DESCRIPTION CABLE RUN NO. 3

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND GUARD-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-04

DESCRIPTION CABLE RUN NO. 4

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND GUARD-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-05

DESCRIPTION CABLE RUN NO. 5

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-06

DESCRIPTION CABLE RUN NO.6

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-07

DESCRIPTION CABLE RUN NO.7

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-08

DESCRIPTION CABLE RUN NO. 8

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-09

DESCRIPTION CABLE RUN NO. 9

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-10

DESCRIPTION CABLE RUN NO. 10

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE CA-11

DESCRIPTION CABLE RUN NO. 11

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE JB-01

DESCRIPTION JUNCTION BOX NO. 1

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE JB-02

DESCRIPTION JUNCTION BOX NO. 2

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND GUARD-01

TRANSMISSION LINE DATA-COLLECTION FORM

TRANSMISSION LINE ID CODE JB-03

DESCRIPTION JUNCTION BOX NO. 3

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 9; THEN, ENTER THE LIST WITH THIS TRANSMISSION LINE ID CODE IN FILE 13 (TRANSMISSION LINE/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-21

DESCRIPTION CABLE RUN NO. 21

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-22

DESCRIPTION CABLE RUN NO. 22

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-23

DESCRIPTION CABLE RUN NO. 23

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-24

DESCRIPTION CABLE RUN NO. 24

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-25

DESCRIPTION CABLE RUN NO. 25

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-26

DESCRIPTION CABLE RUN NO. 26

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-27

DESCRIPTION CABLE RUN NO. 27

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-28

DESCRIPTION CABLE RUN NO. 28

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-29

DESCRIPTION CABLE RUN NO. 29

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-30

DESCRIPTION CABLE RUN NO. 30

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-31

DESCRIPTION CABLE RUN NO. 31

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE CA-32

DESCRIPTION CABLE RUN NO. 32

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE JB-21

DESCRIPTION JUNCTION BOX NO. 21

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE JB-22

DESCRIPTION JUNCTION BOX NO. 22

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE JB-23

DESCRIPTION JUNCTION BOX NO. 23

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE PUB-PWR

DESCRIPTION PUBLIC POWER UTILITY

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PWR-EMP

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE BATTERY 1

DESCRIPTION BATTERY NO. 1

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

UTILITY COMPONENTS DATA-COLLECTION FORM

UTILITY COMPONENT ID CODE BATTERY2

DESCRIPTION BATTERY NO. 2

1) LIST BELOW THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 11; THEN, ENTER THE LIST WITH THIS UTILITY COMPONENT ID CODE IN FILE 14 (UTILITIES/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MAINT-01

DOCUMENT DATA-COLLECTION FORM

DOCUMENT ID CODE F-706

DESCRIPTION FORM NO. 706

1) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO POSSESS THIS DOCUMENT; THEN, ENTER THE LIST WITH THIS DOCUMENT ID CODE IN FILE 20 (DOCUMENT/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-11 OR ENG-21 OR ENG-22 OR PLA-MGR

SNM SOURCE LOCATION
DATA-COLLECTION FORM

SNM SOURCE LOCATION ID CODE AREA-04

DESCRIPTION THE AREA INSIDE THE LEFT ROOM

1) LIST BELOW THE EFFECTIVE AMOUNT OF SNM PRESENT IN KILOGRAMS FOR THIS SNM SOURCE LOCATION; THEN, ENTER THE LIST WITH THIS SNM SOURCE LOCATION ID CODE IN FILE 22 (SNM SOURCE/QUANTITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.5

2) LIST BELOW THE ID CODES FOR ALL THE LOSS DETECTION METHODS AND THE DETECTION TIME ID CODES FOR THIS SNM SOURCE LOCATION; THEN, ENTER THE LIST WITH THIS SNM SOURCE LOCATION ID CODE IN FILE 24 (SNM SOURCE/LOSS DETECTION METHODS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

INV-DIF AND TIME2 OR MIS-ITM AND TIME2

3) LIST BELOW THE ID CODES FOR THE AREAS TO WHICH A COLLUDER COULD ESCAPE FROM THIS SNM SOURCE LOCATION; THEN, ENTER THE LIST WITH THIS SNM SOURCE LOCATION ID CODE IN FILE 33 (SNM SOURCE/EXIT POINT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-01

SNM SOURCE LOCATION
DATA-COLLECTION FORM

SNM SOURCE LOCATION ID CODE AREA-05

DESCRIPTION THE AREA INSIDE THE RIGHT ROOM

1) LIST BELOW THE EFFECTIVE AMOUNT OF SNM PRESENT IN KILOGRAMS FOR THIS SNM SOURCE LOCATION; THEN, ENTER THE LIST WITH THIS SNM SOURCE LOCATION ID CODE IN FILE 22 (SNM SOURCE/QUANTITY MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

5.0

2) LIST BELOW THE ID CODES FOR ALL THE LOSS DETECTION METHODS AND THE DETECTION TIME ID CODES FOR THIS SNM SOURCE LOCATION; THEN, ENTER THE LIST WITH THIS SNM SOURCE LOCATION ID CODE IN FILE 24 (SNM SOURCE/LOSS DETECTION METHODS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

INV-DIF AND TIME2 OR MIS-ITM AND TIME2 OR INC-SER AND TIME1 OR BROKSEAL AND TIME3 OR WRNGSEAL AND TIME3

3) LIST BELOW THE ID CODES FOR THE AREAS TO WHICH A COLLUDER COULD ESCAPE FROM THIS SNM SOURCE LOCATION; THEN, ENTER THE LIST WITH THIS SNM SOURCE LOCATION ID CODE IN FILE 33 (SNM SOURCE/EXIT POINT MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

AREA-01

LOSS-DETECTION METHODS
DATA-COLLECTION FORM

LOSS-DETECTION METHOD ID CODE MIS-ITM

DESCRIPTION MISSING ITEM

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS REQUIRED TO DETECT A LOSS WITH THIS DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 26 (LOSS-DETECTION METHODS/ RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ITEMREC

2) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS LOSS-DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 30 (LOSS-DETECTION METHODS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR ENG-21 AND ENG-22 AND ACCT-01 AND ACCT-02

LOSS-DETECTION METHODS
DATA-COLLECTION FORM

LOSS-DETECTION METHOD ID CODE INV-DIF

DESCRIPTION INVENTORY DIFFERENCE

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS REQUIRED TO DETECT A LOSS WITH THIS DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 26 (LOSS-DETECTION METHODS/ RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ITEM-REC AND ASSAYREC

2) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS LOSS-DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 30 (LOSS-DETECTION METHODS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR ACCT-01 AND ACCT-02

LOSS-DETECTION METHODS
DATA-COLLECTION FORM

LOSS-DETECTION METHOD ID CODE INC-SER

DESCRIPTION INCORRECT SERIAL NUMBER

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS REQUIRED TO DETECT A LOSS WITH THIS DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 26 (LOSS-DETECTION METHODS/ RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ITEMREC

2) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS LOSS-DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 30 (LOSS-DETECTION METHODS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR ENG-21 AND ENG-22 AND ACCT-01 AND ACCT-02

LOSS DETECTION METHODS
DATA-COLLECTION FORM

LOSS-DETECTION METHOD ID CODE BROKSEAL

DESCRIPTION BROKEN SEAL

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS REQUIRED TO DETECT A LOSS WITH THIS DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 26 (LOSS-DETECTION METHODS/ RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

SEALREC

2) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS LOSS-DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 30 (LOSS-DETECTION METHODS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR GUARD-01

LOSS DETECTION METHODS
DATA-COLLECTION FORM

LOSS-DETECTION METHOD ID CODE WRNG SEAL

DESCRIPTION WRONG SEAL

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS REQUIRED TO DETECT A LOSS WITH THIS DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 26 (LOSS-DETECTION METHODS/ RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

SEALREC

2) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS LOSS-DETECTION METHOD; THEN, ENTER THE LIST WITH THIS LOSS-DETECTION METHOD ID CODE IN FILE 30 (LOSS-DETECTION METHODS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR GUARD-01

MATERIAL ACCOUNTING RECORDS DATA-COLLECTION FORM

RECORD ID CODE ITEMREC

DESCRIPTION ITEM RECORD

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS THAT CROSS CHECK THIS RECORD; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 27 (RECORDS/RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ASSAYREC AND SEALREC

2) LIST BELOW THE ID CODES FOR THE FORMS THAT SUPPLY THIS RECORD WITH INFORMATION; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 29 (RECORDS/FORMS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

MOVEFORM AND INVNTORY

3) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES AND CHANGES TO THIS RECORD; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 31 (RECORDS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR ACCT-01 OR ACCT-02

MATERIAL ACCOUNTING RECORDS DATA-COLLECTION FORM

RECORD ID CODE ASSAYREC

DESCRIPTION ASSAY RECORD

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS THAT CROSS CHECK THIS RECORD; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 27 (RECORDS/RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ITEM REC

2) LIST BELOW THE ID CODES FOR THE FORMS THAT SUPPLY THIS RECORD WITH INFORMATION; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 29 (RECORDS/FORMS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ASAYFORM

3) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES AND CHANGES TO THIS RECORD; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 31 (RECORDS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR ACCT-01 OR ACCT-02

MATERIAL ACCOUNTING RECORDS DATA-COLLECTION FORM

RECORD ID CODE SEALREC

DESCRIPTION SEAL RECORD

1) LIST BELOW THE ID CODES FOR ALL THE RECORDS THAT CROSS CHECK THIS RECORD; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 27 (RECORDS/RECORDS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ITEMREC

2) LIST BELOW THE ID CODES FOR THE FORMS THAT SUPPLY THIS RECORD WITH INFORMATION; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 29 (RECORDS/FORMS MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

SEALFORM AND INVNTORY

3) LIST BELOW THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES AND CHANGES TO THIS RECORD; THEN, ENTER THE LIST WITH THIS RECORD ID CODE IN FILE 31 (RECORDS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR GUARD-01

MATERIAL ACCOUNTING FORMS DATA-COLLECTION FORM

FORM ID CODE MOVEFORM

DESCRIPTION FORM THAT ALLOWS MATERIAL TRANSFER

1) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS FORM; THEN, ENTER THE LIST WITH THIS FORM ID CODE IN FILE 32 (FORMS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-21 AND ENG-22 OR PLA-MGR

MATERIAL ACCOUNTING FORMS DATA-COLLECTION FORM

FORM ID CODE ASAYFORM

DESCRIPTION ASSAY FORM

1) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS FORM; THEN, ENTER THE LIST WITH THIS FORM ID CODE IN FILE 32 (FORMS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

ENG-21 AND ENG-22 OR PLA-MGR

MATERIAL ACCOUNTING FORMS DATA-COLLECTION FORM

FORM ID CODE SEALFORM

DESCRIPTION SEAL FORM

1) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS FORM; THEN, ENTER THE LIST WITH THIS FORM ID CODE IN FILE 32 (FORMS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

GUARD-01 OR PLA-MGR

MATERIAL ACCOUNTING FORMS DATA-COLLECTION FORM

FORM ID CODE INVNTORY

DESCRIPTION INVENTORY FORM

1) LIST BELOW THE ID CODES FOR ALL THE PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES TO THIS FORM; THEN, ENTER THE LIST WITH THIS FORM ID CODE IN FILE 32 (FORMS/AUTHORIZATION MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

PLA-MGR OR ACCT-01 AND ACCT-02

AND PROB1

DETECTION TIME DATA-COLLECTION FORM

DETECTION TIME ID CODE TIME1

DESCRIPTION TIME FRAME FOR DETECTION IN DAYS NO. 1

1) LIST BELOW THE VALUE IN DAYS ASSIGNED TO THIS DETECTION TIME; THEN, ENTER THE VALUE WITH THIS TIME CODE IN FILE 34 (DETECTION TIME MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

7.0

DETECTION TIME DATA-COLLECTION FORM

DETECTION TIME ID CODE TIME2

DESCRIPTION TIME FRAME FOR DETECTION IN DAYS NO. 2

1) LIST BELOW THE VALUE IN DAYS ASSIGNED TO THIS DETECTION TIME; THEN, ENTER THE VALUE WITH THIS TIME CODE IN FILE 34 (DETECTION TIME MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

30.0

DETECTION TIME DATA-COLLECTION FORM

DETECTION TIME ID CODE TIME 3

DESCRIPTION TIME FRAME FOR DETECTION IN DAYS NO. 3

1) LIST BELOW THE VALUE IN DAYS ASSIGNED TO THIS DETECTION TIME; THEN, ENTER THE VALUE WITH THIS TIME CODE IN FILE 34 (DETECTION TIME MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

DETECTION TIME DATA-COLLECTION FORM

DETECTION TIME ID CODE TIME 4

DESCRIPTION TIME FRAME FOR DETECTION IN DAYS NO. 4

1) LIST BELOW THE VALUE IN DAYS ASSIGNED TO THIS DETECTION TIME; THEN, ENTER THE VALUE WITH THIS TIME CODE IN FILE 34 (DETECTION TIME MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

365.0

PROBABILITY VALUE DATA-COLLECTION FORM

PROBABILITY VALUE ID CODE PROB1

DESCRIPTION PROBABILITY OF DETECTION VALUE NO.1

1) LIST BELOW THE VALUE ASSIGNED TO THIS PROBABILITY; THEN, ENTER THE VALUE WITH THIS PROBABILITY CODE IN FILE 37 (PROBABILITY VALUE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.1

PROBABILITY VALUE DATA-COLLECTION FORM

PROBABILITY VALUE ID CODE PROB2

DESCRIPTION PROBABILITY OF DETECTION VALUE NO. 2

1) LIST BELOW THE VALUE ASSIGNED TO THIS PROBABILITY; THEN, ENTER THE VALUE WITH THIS PROBABILITY CODE IN FILE 37 (PROBABILITY VALUE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.5

PROBABILITY VALUE D. TA-COLLECTION FORM

PROBABILITY VALUE ID CODE PROB3

DESCRIPTION PROBABILITY OF DETECTION VALUE NO. 3

1) LIST BELOW THE VALUE ASSIGNED TO THIS PROBABILITY; THEN, ENTER THE VALUE WITH THIS PROBABILITY CODE IN FILE 37 (PROBABILITY VALUE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.5

PROBABILITY VALUE DATA-COLLECTION FORM

PROBABILITY VALUE ID CODE PROB4

DESCRIPTION PROBABILITY OF DETECTION VALUE NO. 4

1) LIST BELOW THE VALUE ASSIGNED TO THIS PROBABILITY; THEN, ENTER THE VALUE WITH THIS PROBABILITY CODE IN FILE 37 (PROBABILITY VALUE MATRIX) LOCATED IN THE DATA-RECORDING SECTION OF THIS HANDBOOK.

0.5

SECTION II
Data-Recording

1) TEXT FILE

THIS FILE IS OPEN FOR ANY DESCRIPTIVE INFORMATION ABOUT THE ASSESSMENT YOU MAY WANT TO INCLUDE. THE INFORMATION IN THIS FILE WILL BE PRINTED IN THE OUTPUT. THE FOLLOWING ARE SUGGESTIONS OF INFORMATION TO BE INCLUDED:

A. NAME OF THE ANALYST

B. NAME OF THE FACILITY

C. DATE OF THE ASSESSMENT

D. REASON FOR THE ASSESSMENT

E. INSIGHTS, COMMENTS, OR ASSUMPTIONS MADE DURING DATA-GATHERING.

SECURITY URANIUM CORP.
ANALYST W.J. ORVIS
DATE: SEPT. 1, 1979

ALL DATA TYPES HAVE BEEN CONSIDERED
CA = CABLE RUN. RUNS 1 TO 11 ARE SIGNAL CABLES. RUNS 21 TO 32 ARE POWER
JB = JUNCTION BOX. BOXES 1 TO 3 CARRY SIGNALS. BOXES 21 TO 23 ARE POWER
PUB-PWR = PUBLIC UTILITY POWER
FIA = FENCE INTRUSION AREA
PWR-EMP = AN EMPLOYEE OF THE PUBLIC UTILITY

2) AREA-PORTAL LIST
(LIST THE ID CODES FOR ALL THE AREAS AND DOORS IN THE FACILITY)

1) AREA-01
2) AREA-02
3) AREA-03
4) AREA-04
5) AREA-05
6) AREA-06
7) FIA
8) PORT-01
9) PORT-02A
10) PORT-02B
11) PORT-03
12) PORT-04
13) FENCE

3) ADJACENCY MATRIX
(LIST THE ID CODES FOR ALL THE AREAS YOU CAN GO TO FROM EACH AREA AND DOOR)

AREA-01	PORT-01 PORT-04 FENCE
AREA-02	FENCE VIA PORT-04
AREA-03	FIA PORT-02A PORT-03
	AREA-06 PORT-01
AREA-04	PORT-02B
AREA-05	PORT-03
AREA-06	AREA-03
FIA	AREA-02 AREA-03
PORT-01	AREA-01 AREA-03
PORT-02A	AREA-04
PORT-02B	AREA-03
PORT-03	AREA-05 AREA-03
PORT-04	AREA-01 AREA-03
FENCE	AREA-01 AREA-02

4) MONITOR-LOCK LIST
(LIST THE ID CODES FOR ALL THE MONITORS IN THE FACILITY)

1) MON-A04
2) MON-A05
3) MON-F1A
4) MON-P01
5) MON-P02
6) MON-P03
7) MON-P04
8) LOC-P01
9) LOC-P02B
10) LOC-P03
11) LOC-P04

5) AREA/MONITOR-LOCK MATRIX
(LIST THE ID CODES FOR ALL THE AREAS AND DOORS THAT ARE COVERED BY EACH AREA AND DOOR)

AREA-01	NONE
AREA-02	NONE
AREA-03	NONE
AREA-04	MON-A04
AREA-05	MON-A05
AREA-06	NONE
FIA	MON-FIA
PORT-01	MON-P01 AND LOC-P01
PORT-02A	MON-P02
PORT-02B	MON-P02 AND LOC-P02B
PORT-03	MON-P03 AND LOC-P03
PORT-04	MON-P04 AND LOC-P04
FENCE	NONE

6) AUTHORIZATION LIST
(LIST THE ID CODES FOR ALL THE PERSONNEL (BY WORK CATEGORY) IN THE FACILITY)

1) ENG-11
2) ENG-21
3) ENG-22
4) GUARD-01
5) ACCT-01
6) ACCT-02
7) PLA-MGR
8) MAINT-01
9) PWR-EMP
10) VISITOR

37) PROBABILITY VALUE MATRIX
(LIST, FOR EACH PROBABILITY CODE GIVEN, THE PROBABILITY TO BE ASSOCIATED WITH IT.)

PROB1	0.1
PROB2	0.5
PROB3	0.5
PROB4	0.5

Note:

File 37 is deliberately placed here out of sequence; see the introductory text of Phase 2 for an explanation.

7) MONITOR-LOCK/AUTHORIZATION MATRIX
(LIST, FOR EACH MONITOR, THE ID CODES FOR ALL PERSONNEL (BY WORK CATEGORY) WHO HAVE AUTHORIZED ACCESS TO THIS MONITOR)

MON-A04	GUARD-01 AND MAINT-01
MON-A05	GUARD-01 AND MAINT-01
	OR ENG-21 AND MAINT-01
MON-F1A	MAINT-01
MON-P01	MAINT-01
MON-P02	GUARD-01 AND MAINT-01
MON-P03	GUARD-01 AND MAINT-01
	OR ENG-21 AND MAINT-01
MON-P04	MAINT-01
LOC-P01	MAINT-01
LOC-P02B	MAINT-01 AND GUARD-01
LOC-P03	MAINT-01 AND GUARD-01
	OR MAINT-01 AND ENG-21
LOC-P04	MAINT-01

B) MONITOR-LOCK/FAILURE MATRIX
(LIST THE PROBABILITY OF FAILURE FOR EACH MONITOR IN THE FACILITY)

MON-A04	0.1
MON-A05	0.1
MON-F1A	0.03
MON-P01	0.005
MON-P02	0.005
MON-P03	0.005
MON-P04	0.005
LOC-P01	0.000001
LOC-P02B	0.000001
LOC-P03	0.000001
LOC-P04	0.000001

9) TRANSMISSION LINE LIST
(LIST THE ID CODES FOR ALL THE TRANSMISSION LINES IN THE FACILITY THAT CONNECT MONITOR SIGNALS TO THE GUARD CENTER)

1) CA-01
2) CA-02
3) CA-03
4) CA-04
5) CA-05
6) CA-06
7) CA-07
8) CA-08
9) CA-09
10) CA-10
11) CA-11
12) JB-01
13) JB-02
14) JB-03

10) MONITOR-LOCK/TRANSMISSION LINE MATRIX
(LIST, FOR EACH MONITOR, THE ID CODES FOR ALL THE TRANSMISSION LINE COMPONENTS THAT CONNECT THIS MONITOR TO THE GUARD CENTER.)

MON-A04	CA-03 AND JB-02 AND CA-02 AND JB-01 AND CA-01
MON-A05	CA-05 AND JB-02 AND CA-02 AND JB-01 AND CA-01
MON-F1A	CA-10 AND JB-03 AND CA-09 OR CA-11 AND JB-01 AND CA-01
MON-P01	CA-08
MON-P02	CA-04 AND JB-02 AND CA-02 AND JB-01 AND CA-01
MON-P03	CA-06 AND JB-02 AND CA-02 AND JB-01 AND CA-01
MON-P04	CA-07 AND JB-01 AND CA-01
LOC-P01	NONE
LOC-P02B	NONE
LOC-P03	NONE
LOC-P04	NONE

11) UTILITIES LIST
(LIST THE ID CODES FOR ALL THE UTILITIES IN THE FACILITY THAT FEED THE MONITORS DEFINED IN THE MONITOR-LOCK LIST (FILE 4))

1) CA-21
2) CA-22
3) CA-23
4) CA-24
5) CA-25
6) CA-26
7) CA-27
8) CA-28
9) CA-29
10) CA-30
11) CA-31
12) CA-32
13) JB-21
14) JB-22
15) JB-23
16) PUB-PWR
17) BATTERY 1
18) BATTERY 2

12) MONITOR-LOCK/UTILITIES MATRIX
(LIST THE ID CODES FOR ALL THE UTILITY COMPONENTS THAT FEED THIS MONITOR)

MON-A04 CA-23 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY 2)

MON-A05 CA-24 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY 2)

MON-F1A CA-29 AND JB-23 AND (CA-28 AND JB-21 AND CA-21 AND PUB-PWR OR CA-31 AND BATTERY 1)

MON-P01 CA-30 AND JB-23 AND (CA-28 AND JB-21 AND CA-21 AND PUB-PWR OR CA-31 AND BATTERY 1)

MON-P02 CA-25 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY 2)

MON-P03	CA-26 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)
MON-P04	CA-27 AND JB-22 AND (CA-22 AND JB-21 AND CA-21 AND PUB-PWR OR CA-32 AND BATTERY2)
LOC-P01	NONE
LOC-P02B	NONE
LOC-P03	NONE
LOC-P04	NONE

13) TRANSMISSION LINE/AUTHORIZATION MATRIX
(LIST THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE TRANSMISSION LINE COMPONENTS LISTED IN FILE 10.)

CA-01	MAINT-01
CA-02	MAINT-01 AND GUARD-01
CA-03	MAINT-01 AND GUARD-01
CA-04	MAINT-01 AND GUARD-01
CA-05	MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01
CA-06	MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01
CA-07	MAINT-01
CA-08	MAINT-01
CA-09	MAINT-01
CA-10	MAINT-01
CA-11	MAINT-01
JB-01	MAINT-01
JB-02	MAINT-01 AND GUARD-01
JB-03	MAINT-01

14) UTILITIES/AUTHORIZATION MATRIX
(LIST THE ID CODES OF ANY PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THE UTILITY COMPONENTS LISTED IN FILE 12)

CA-21	MAINT-01
CA-22	MAINT-0
CA-23	MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01
CA-24	MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01
CA-25	MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01
CA-26	MAINT-01 AND ENG-21 OR MAINT-01 AND GUARD-01
CA-27	MAINT-01
CA-28	MAINT-01
CA-29	MAINT-01
CA-30	MAINT-01
CA-31	MAINT-01
CA-32	MAINT-01
JB-21	MAINT-01
JB-22	MAINT-01
JB-23	MAINT-01
PUB-PWR	PWR-EMP
BATTERY1	MAINT-01
BATTERY2	MAINT-01

15) AREA/AUTHORIZATION MATRIX
(LIST THE ID CODE FOR THE PERSONNEL WHO HAVE AUTHORIZED ACCESS TO THESE AREAS AND DOORS)

AREA-01	ALL
AREA-02	GUARD-01 OR GUARD-01 AND MAINT-01
AREA-03	GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02
AREA-04	ENG-11 OR ENG-21 OR ENG-22 OR MAINT-01 AND GUARD-01 OR PLA-MGR OR ACCT-01 OR ACCT-02
AREA-05	ENG-21 AND (ENG-22 OR GUARD-01 OR PLA-MGR AND GUARD-01 OR ACCT-01 AND ACCT-02
AREA-06	GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02
FIA	NONE

PORT-01	GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-0 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02
PORT-02A	ENG-11 OR ENG-21 OR ENG-22 OR MAINT-01 AND GUARD-01 OR PLA-MGR OR ACCT-01
PORT-02B	ENG-11 OR ENG-21 OR ENG-22 OR MAINT-01 AND GUARD-01 OR PLA-MGR OR ACCT-01
PORT-03	GUARD-01 AND (ENG-21 OR PLA-MGR) OR ENG-21 AND ENG-22 OR ACCT-01 AND ACCT-02
PORT-04	GUARD-01 AND (VISITOR OR PWR-EMP) OR ENG-11 OR ENG-21 OR ENG-22 OR GUARD-01 OR PLA-MGR OR MAINT-01 OR ACCT-01 OR ACCT-02
FENCE	NONE

16) MONITOR-LOCK/RESPONSE MATRIX
(LIST THE ID CODES FOR ALL THE AREAS AND DOORS TO WHICH SECURITY RESPONDS WHEN AN ALARM IS RECEIVED FROM THIS MONITOR)

MON-A04	AREA-03
MON-A05	AREA-03
MON-F1A	AREA-03
MON-P01	AREA-03
MON-P02	AREA-03
MON-P03	AREA-03
MON-P04	AREA-03
LOC-P01	NONE
LOC-P02B	NONE
LOC-P03	NONE
LOC-P04	NONE

17) RESPONSE/AUTHORIZATION MATRIX
(LIST THE ID CODES FOR ALL THE PERSONNEL WHO RESPOND TO AN ALARM FROM THIS MONITOR)

MON-A04	GUARD-01
MON-A05	GUARD-01
MON-F1A	GUARD-01
MON-P01	GUARD-01
MON-P02	GUARD-01
MON-P03	GUARD-01
MON-P04	GUARD-01
LOC-P01	NONE
LOC-P02B	NONE
LOC-P03	NONE
LOC-P04	NONE

18) DOCUMENT LIST
(LIST THE ID CODES FOR ALL FORMS AND SIGNED NOTES THAT ALLOW A PERSON TO PASS THROUGH ANY MONITOR WITHOUT INITATING A SECURITY RESPONSE)

1) F-706

19) MONITOR-LOCK/DOCUMENT MATRIX
(LIST, FOR EACH MONITOR, THE ID CODES FOR ALL DOCUMENTS REQUIRED TO PASS THE MONITOR WITHOUT SETTING AN ALARM)

MON-A04	F-706
MON-A05	F-706
MON-F1A	F-706
MON-P01	F-706
MON-P02	F-706
MON-P03	F-706
MON-P04	F-706
LOC-P01	F-706
LOC-P02B	F-706
LOC-P3	F-706
LOC-P4	F-706

20) DOCUMENT/AUTHORIZATION MATRIX
(LIST, FOR EACH DOCUMENT IN FILE 18, THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO POSSESS THE DOCUMENT)

F-706 ENG-11 OR ENG-21 OR ENG-22 OR PLA-MGR

21) SNM SOURCE LIST
(LIST THE ID CODES FOR THE AREAS WHERE SNM IS STORED)

1) AREA-04
2) AREA-05

22) SNM SOURCE/QUANTITY MATRIX
(LIST, FOR EACH SNM SOURCE LOCATION IN FILE 21, THE EFFECTIVE AMOUNT OF SNM PRESENT IN KILOGRAMS)

AREA-04 0.5
AREA-05 5.0

23) LOSS DETECTION METHODS LIST
(LIST THE ID CODES FOR ALL METHODS FOR DETERMINING THAT MATERIAL HAS BEEN LOST (EXAMPLES ARE: INVENTORY DIFFERENCES, MISSING ITEMS, INCORRECT SERIAL NUMBERS, AND BROKEN OR INCORRECT SEALS))

1) INV-DIF
2) MIS-ITM
3) INC-SER
4) BROKSEAL
5) WRNGSEAL

34) DETECTION TIME MATRIX
(LIST, FOR EACH TIME ID CODE GIVEN, THE NUMBER OF DAYS ASSIGNED TO THAT TIME.)

TIME1	7.0
TIME2	30.0
TIME3	100.0
TIME4	365.0

Note:

File 34 is deliberately placed here out of sequence; see the introductory text of Phase 2 for an explanation.

24) SNM SOURCE/LOSS DETECTION METHODS MATRIX
(LIST, FOR EACH SNM SOURCE LOCATION, THE LOSS DETECTION METHODS ID CODES AND THE DETECTION TIME ID CODES ASSIGNED TO THEM.)

AREA-04	INV-DIF AND TIME2 OR MIS-ITM1 AND TIME2
AREA-05	INV-DIF AND TIME2 OR MIS-ITM AND TIME1 OR INC-SER AND TIME1 OR BROKSEAL AND TIME3 OR WRNGSEAL AND TIME3

25) RECORDS LIST
(LIST THE ID CODES FOR ALL RECORDS MAINTAINED BY FORMS IN FILE 28 THAT CONTAIN THE DATA NECESSARY TO DETERMINE THE AMOUNT, TYPE, LOCATION AND POSSIBLE LOSS OF SNM USED IN THE FACILITY)

1) ITEM REC
2) ASSAY REC
3) SEAL REC

26) LOSS-DETECTION METHODS/RECORDS MATRIX
(LIST, FOR EACH LOSS DETECTION METHODS IN FILE 23, THE ID CODE FOR THE RECORDS REQUIRED TO DETECT THE LOSS)

INV-DIF	ITEMREC AND ASSAYREC
MIS-ITM	ITEMREC
INC-SER	ITEMREC
BROKSEAL	SEALREC
WRNGSEAL	SEALREC

27) RECORDS/RECORDS MATRIX
(LIST, FOR EACH RECORD IN FILE 25, THE ID CODES FOR THE RECORDS THAT ARE USED TO CROSS CHECK IT)

ITEMREC	ASSAYREC AND SEALREC
ASSAYREC	ITEMREC
SEALREC	ITEMREC

28) FORMS LIST
(LIST THE ID CODES FOR ALL THE FORMS THAT RECORD MATERIAL TRANSACTIONS, MEASUREMENTS, CHECKED SEALS, AND SERIAL NUMBERS)

1) MOVEFORM
2) ASAYFORM
3) SEALFORM
4) INVNTORY

29) RECORDS/FORMS MATRIX
(LIST, FOR EACH RECORD IN FILE 25, THE ID CODES FOR THE FORMS THAT SUPPLY IT WITH INFORMATION)

ITEMREC	MOVEFORM AND INVNTORY
ASSAYREC	ASAY FORM
SEALREC	SEALFORM AND INVNTORY

30) LOSS-DETECTION METHODS/AUTHORIZATION MATRIX
(LIST, FOR EACH LOSS DETECTION METHOD IN FILE 23, THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES).

INV-DIF	PLA-MGR OR ACCT-01 AND ACCT-02
MIS-ITM	PLA-MGR OR ENG-21 AND ENG-22 AND ACCT-01 AND ACCT-02
BROKSEAL	PLA-MGR OR GUARD-01
WRNGSEAL	PLA-MGR OR GUARD-01

31) RECORDS/AUTHORIZATION MATRIX
(LIST, FOR EACH RECORD IN FILE 25, THE ID CODES FOR ALL PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES)

ITEMREC PLA-MGR OR ACCT-01 OR ACCT-02
ASSAYREC PLA-MGR OR ACCT-01 OR ACCT-02
SEALREC PLA-MGR OR GUARD-01

32) FORMS/AUTHORIZATION MATRIX
(LIST, FOR EACH FORM IN FILE 28, THE ID CODES FOR THE PERSONNEL AUTHORIZED TO MAKE ENTRIES OR CHANGES)

MOVEFORM	ENG-21 AND ENG-22 OR PLA-MGR
ASAYFORM	ENG-21 AND ENG-22 OR PLA-MGR
SEALFORM	GUARD-01 OR PLA-MGR
INVNTORY	PLA-MGR OR ACCT-01 AND ACCT-02 AND PROB1

33) SNM SOURCE/EXIT POINT MATRIX
(LIST, FOR EACH SNM SOURCE LOCATION IN FILE 21, THE ID CODES FOR THE AREAS TO WHICH A COLLUDER COULD ESCAPE)

AREA-04 AREA-01
AREA-05 AREA-01

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The data-gathering procedure for Safeguard Vulnerability Analysis Program (SVAP) is demonstrated on a simplified, hypothetical nuclear facility. Data typical to any safeguard assessment are gathered from the facility and entered in the handbook--an example of which makes up the appendix of this report--in response to a sequence of questions. The data so gathered are then rearranged in the second part of the handbook--a process called recording. The recorded data are in a form suitable for entering on a Tektronix 4051 computer keyboard. In a subsequent phase of SVAP, computer programs return results to the analyst on vulnerabilities in the facility's safeguard system.

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