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SHOREHAM DECOMMISSIONING PROJECT
TERMINATION SURVEY PROCEDURE

1.0 PURPOSE

To provide detailed instructions for Radiological Termination Surveys performed on SNPS structures, systems and outdoor areas.

2.0 RESPONSIBILITY

The Termination Survey Section Head shall be responsible for assuring proper implementation of the requirements of this procedure.

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3.0 DISCUSSION

- 3.1 In accordance with the Shoreham Decommissioning Project Termination Survey Plan, Ref. 11.4, the Shoreham facility, including structures, plant systems and outdoor areas will be radiologically surveyed to ensure the criteria specified in the Shoreham Decommissioning Plan for release of the facility have been met.
- 3.2 The Termination Survey is designed to cover the portions of the facility and site, described as the secured area fence.
- 3.3 Structures, plant systems and outdoor areas are classified and surveyed independently.
- 3.4 A system is treated as a single survey unit independently of the structural survey units in which the piping and components are located.
- 3.5 A system for termination survey purposes includes all interior surfaces of the piping and component.
- 3.6 The exterior surfaces of piping and components are included in the survey of the structural survey units in which they are located.
- 3.7 If during the course of a Termination Survey, radioactivity or contamination is discovered above the established release guidelines remediation in the form of decontamination or removal will be required.
- 3.8 Control of access to completed Termination Survey units will be implemented, as required, in accordance with SP 67X001.04, Termination Survey Unit Turnover and Control Procedure, Reference 11.6.
- 3.9 Steps in this procedure may be accomplished in parallel rather than sequentially, as appropriate.
- 3.10 The survey techniques and measurement data control techniques used in this procedure will ensure accurate and consistent survey results.
- 3.11 The technician will be provided with a survey package which will include the necessary instructions and data sheets for performing the Termination Survey of a survey unit.
- 3.12 Following completion of the Termination Survey of a survey unit, the technician will return the survey package to the Termination Survey Section for review and acceptance of the survey data.
- 3.13 At the end of each shift, whether the Termination Survey of a survey unit has been completed or not, the HP shift foreman will ensure that the ESP2 survey meter is returned to the Termination Survey Section for downloading of data to the Termination Survey computer.
- 3.14 Instruments to be used in the performance of termination surveys are controlled and maintained by instrument support technicians in accordance with SP 61X080.01, Control of Health Physics Instrumentation, Reference 11.11.
- 3.15 Termination Survey Quality Control is established in accordance with SP 67X001.03, Termination Survey Quality Control Procedure, Reference 11.2.

- 3.16 A separate independent survey package will be completed following the termination survey of a survey unit. This survey consists of replicate termination survey QC measurements to check the consistency of surveys.
- 3.17 The Termination Survey Quality Control Survey Package shall be performed by technicians other than those who performed the termination survey using different instruments (ie. same model, different serial number) than were used to perform the termination survey.
- 3.18 Acronyms and abbreviations used in this procedure
- .1 cm^2 - An area in size equal to a square centimeter.
 - .2 cpm - Counts per minute.
 - .3 dpm - Disintegrations per minute.
 - .4 gcpm - Gross counts per minute.
 - .5 G-M - Geiger-Mueller.
 - .6 NaI - Sodium Iodide.
 - .7 ncpm - Net counts per minute.
 - .8 m^2 - An area in size equal to a square meter.
 - .9 HP - Health Physics.
 - .10 ZnS - Zinc Sulfide.
- 3.19 Topics covered in this procedure:

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4.0 PRECAUTIONS

- 4.1 Utilize all applicable station safety, housekeeping and radiological precautions particularly in regard to confined space entries.
- 4.2 When handling termination survey instruments, caution should be taken to prevent damaging the detector by contact with sharp objects, dropping or careless handling.
- 4.3 The survey point no. column on the Termination Survey Data Sheet, Appendix 12.5, is the identifiable reference to the survey location. Care must be taken to ensure the data logger survey point number entered in the Data Logger specifically references the survey location in the Grid No./Comp. 1.D. column of the Survey Data Sheet.

5.0 PREREQUISITES

- 5.1 All personnel utilizing this procedure should review and understand its contents prior to use.
- 5.2 Health Physics personnel performing these surveys shall be qualified in accordance with SP 61X040.01, Health Physics Technician Selection, Training and Qualification Program.
- 5.3 Standard plant communications equipment is required for the implementation of this procedure.
- 5.4 Area cleanliness is in accordance with procedure 12X023.01, Station Housekeeping.
- 5.5 The Termination Survey of Systems, Piping and Components that are contained in or traverse a structural survey unit will be completed prior to performing the termination survey on the structural survey unit. Exceptions may be made by the Termination Survey Radiological Engineer responsible for the survey unit survey design.
- 5.6 Some systems or portions of systems within a structural survey unit will be functional systems, required for continued operation, for example, compressed air, ventilation, and heating. These systems will be isolated and restored, as required, to support the system and structural Termination Surveys.
- 5.7 Surveys of outdoor areas shall not be conducted in adverse weather conditions or in wet conditions (e.g., rain, snow or heavy mildew). Ground surfaces shall be free of standing water.
- 5.8 Any instruments used in the performance of this procedure shall have a current calibration date.

6.0 LIMITATIONS AND ACTION

- 6.1 Notify the responsible Termination Survey Radiological Engineer or Health Physics supervision of any abnormal condition during a survey or if activity is greater than the limit on the alarm point on scans, direct measurements or smears.
- 6.2 Operation of all instrumentation used in Termination Surveys will be in accordance with the applicable procedure for the specified instrument.

- 6.3 If during the performance of a survey, an instrument malfunctions or is dropped, then the instrument shall not be used. The previously stored instrument data should be down loaded onto the survey unit data disk and checked in accordance with SP 67X001.05, Termination Survey Data Review Management procedure. The instrument shall be returned to the instrument support HP technicians for repair or calibration and operability check.
- 6.4 If during the performance of a survey contamination is found to be above established guidelines, the technician will notify the HP lead technician. The HP lead technician will verify the survey results.
- 6.5 If survey results are verified by the HP lead technician to be above established guidelines, the surveyed area requires remediation. Once the area will be returned to the Operational Health Physics section for remediation.
- 6.6 If an instrument does not have a current calibration date the instrument not be used and shall be returned to an HP Foreman.

7.0 MATERIALS AND TEST EQUIPMENT

- 7.1 Appropriate survey instruments in accordance with the Shoreham Decommissioning Project Termination Survey Plan, Reference 11.4.
- 7.2 Termination Survey instructions provided by the responsible Terminating Radiological Engineer.
- 7.3 Other types of measurements and/or instruments may be requested by the assigned Radiological Engineer. They could consist of NaI gamma detector, pipe crawlers utilizing various other monitoring instrumentation.

8.0 PROCEDURE

8.1 Termination Survey

- 8.1.1 Review the Termination Survey Package to ensure it is complete and review the survey instructions. The survey package shall include the following:

- | | |
|-----------------------------|-------------------------|
| 1) General Instruction Form | 4) Survey Data Sheet |
| 2) Survey Control Form | 5) Survey Comment Sheet |
| 3) Survey Instruction Forms | 6) Survey Maps |

- 8.1.2 Obtain by signing out the instruments necessary to perform the survey as determined by the survey instructions.

- 8.1.3 Perform the Termination Survey in accordance with the survey instructions using the appropriate sections of the procedure for measuring techniques.

- 8.1.4 Survey measurement results will be recorded using the ESP-2 instrument data logger and/or on the Termination Survey or Survey Sheets, as appropriate.

- 8.1.5 If any survey measurements taken are higher than the criteria for the type of measurement being taken, the criteria for the Remediation section of this procedure, Section 8.2.

8.1.6 When the Termination Survey measurements are complete, the technician shall verify complete all information required on the Survey Data Sheets and fill in the "survey performed by" block on the Termination Survey Control Form.

8.1.7 When the Termination Survey Package is complete, it shall be returned to the Termination Survey Section for review and acceptance of the survey data.

8.1.8 At the end of each shift, whether the Termination Survey of a survey unit has been completed or not, the HP shift foreman will ensure that the ESP2 survey meter is returned to the Termination Survey Section for downloading of data to the Termination Survey computer.

8.2 Survey Techniques

8.2.1 Termination survey techniques include various types of radiological measurements. The measurements performed will include:

- .1 Surface scan beta-gamma contamination.
- .2 Direct surface beta-gamma contamination.
- .3 Removable beta-gamma contamination.
- .4 Direct surface alpha contamination.
- .5 Removable alpha contamination.
- .6 Gamma exposure rate at one meter.

8.2.2 To perform these measurements, the instruments used for the Termination Survey will be:

- .1 Bicron microRem Meter - used for Gamma dose rate. No storage of data. Readings must be manually recorded on Survey Data Sheets.
- .2 Canberra automatic low background alpha-beta gas flow proportional counting system used for alpha and beta counting of removable alpha-beta smears. Data will be stored in computer memory and can be output on a printer or computer diskette.
- .3 Eberline ESP-2 Portable Survey Meter (data logger). It has data storage capabilities and will normally be operated in the data logging mode. Data can also be read visually via the display panel and then manually transcribed for data checks. This instrument will be used with:
 1. The Aptec Floor Monitor, consisting of three large area (252 cm²) G-M detectors will be used with the ESP-2 in the peak trap ratemeter mode for scanning and the scaler mode for fixed point measurements at a probe to surface distance of approximately 24 mm.
 2. The Aptec large area hand-held G-M detectors of 125 cm² and 252 cm² are used with the ESP-2 in the same modes as the floor monitor above.

3. Pancake G-M detectors will be used with the ESP-2 in the same modes as the floor monitors and large area detectors; that is, in the peak trap ratemeter mode for scanning and the scaler mode for fixed point measurements.
 4. ZnS alpha scintillator in the scaler (fixed point) mode.
 5. NaI Gamma scintillators in the peak trap ratemeter or scaler modes.
- .4 Instrument alarm setpoints are established for a count rate equivalent to 5,000 dpm/100 cm² for each detector taking into account the background and efficiency for each type of detector used to perform survey measurements.

8.2.3

Scanning surveys are to be performed at approximately 1-1/2 inches per second as follows:

- .1 Floors - where possible, floors will be scanned with the floor monitor at approximately 2.5 cm from the surface and if not, the large area or pancake G-M detectors will be used in the areas inaccessible to the floor monitor.
- .2 Walls and other external surface areas - scans will normally be done with the large area G-M detectors, and where this is not possible, with the Pancake G-M detector.
- .3 Systems - system internals will normally be scanned with the Pancake G-M detector. For large area system internals, the large area G-M detectors may be used.
- .4 Outside - exterior of buildings and paved areas will be scanned with large area G-M detectors. Floor monitors may be used for flat smooth surfaces such as paved areas and sidewalks.

8.2.4

Scanning Techniques:

- .1 Scans will be performed at approximately 1-1/2 inches per second, at approximately 1 cm from the surface except for floor monitors as directed by the survey instructions.
- .2 If the scan is completed without an instrument alarm, store the data in the instrument and record the survey results as satisfactory on the Termination Survey Sheet Data, Appendix 12.5
- .3 If during the performance of a scan, an instrument alarms, then the HP Technician should notify the Termination Survey Lead HP Technician.
- .4 The Lead HP Technician will determine if the instrument is operating properly.

- .5 If the instrument alarm is determined to be valid, then the Lead Technician should store the data in the instrument and notify the Termination Survey HP Foreman of the condition.
- .6 The HP Foreman will determine the necessary remediation in accordance with Section 8.6.

8.2.5 Direct (static) measurements will be made at specified areas as follows:

- .1 Floors - made with large area G-M detectors (or G-M pancake detectors where large area detectors cannot access) for beta-gamma contamination, made with the ZnS scintillation detector for direct surface alpha.
- .2 Walls and other external surfaces - same as mentioned above for floors.
- .3 Systems - direct beta-gamma measurements will normally be made with pancake G-M detectors, but may be made with large area G-M's. Direct alpha measurements will be made with ZnS scintillation detector where possible. Gamma dose exposure rates will not normally be made in systems. Special direct measurements may also be made with NaI gamma detectors and specially designed pipe crawlers, where directed.
- .4 Outside - direct measurements will be made with large area G-M detectors for beta-gamma contamination.
- .5 Microrem meters will be used to perform gamma dose exposure rate measurements at one meter from floor or ground surfaces in indoor and outdoor areas.

8.2.6 Fixed Point Techniques:

- .1 Direct measurements will be performed on various specified locations, as directed by the survey instructions.
- .2 Direct beta-gamma measurements will be made in the scaler mode using one-minute counts.
- .3 Direct alpha measurements will also be made in the scaler mode for one minute durations in locations specified in the survey instructions.
- .4 Gamma exposure rates will be made by holding the microRem meter for at least 30 seconds, one meter from the specified location and observing the ratemeter reading.
- .5 When grid blocks are designated for direct surface measurements, measurements will be performed at or as near as practical to the center of each grid block.
- .6 All direct measurement locations should be marked. Mark the area by outlining the detector probe used.

- .7 If during a fixed point survey, the instrument alarms, then follow instructions as in scan alarms 8.2.4.3 to 8.2.4.6.

8.2.7

Removable contamination survey. Removable contamination will be measured by taking dry smears at designated locations as follows:

- .1 Floors - smears taken at the same locations as the direct surface measurements or other locations, as directed in the survey instructions.
- .2 Walls and other exterior surfaces - same locations as direct measurement locations.
- .3 Systems - smears will be taken at designated locations in piping and components, as directed in the survey instructions.
- .4 Outside - smears will be taken, on the exterior of buildings and paved areas as directed in the survey instructions.

8.2.8

Removable Contamination Survey Techniques.

- .1 Smears will be taken over 100 cm² areas where possible, or designated as to what area was smeared if that is not possible. Moderate finger pressure should be applied and the smear rubbed over an area of approximately 100 cm² without repeat passes over the same location. If the smear cannot cover an area of 100 cm², this should be noted and the area estimated in the comments section.
- .2 On small bore piping greater than or equal to 1 inch in diameter, use an extension tool, as required, i.e., WBJ frisker probe handle, to obtain a smear of the piping or penetration internals.
- .3 On small bore piping less than 1 inch in diameter, obtain a qualitative loose surface sample using a cotton swab.
- .4 Check each smear with a pancake G-M probe. If greater than 100 ncpm, notify the HP Lead Technician for necessary action and do not include in the package for the low alpha-beta counter. Also, note the count on the Survey Data Sheet.
- .5 Count all smears in the Canberra low alpha-beta counter for alpha and beta activity. If the Canberra is not available, count in an equivalent beta smear counter for beta activity in accordance with the Operations procedure for the counter used. Count any smear greater than 200 dpm for alpha activity in a SAC4 alpha counter, if not using a Canberra instrument. If no smears are greater than 200 dpm, then count the highest dpm beta smear in the SAC4 for alpha activity.
- .6 If not using the Canberra, record alpha information on the Beta printout sheet.

- .7 Label the Canberra or equivalent survey print-out with the counting technician's name, date and identifying survey unit number and attach the print-out to the Termination Survey Data Sheet, Appendix 12.5.
- .8 Ensure smear counting results are properly documented to identify the results with the smear location.
- .9 Smears shall be counted within 5 Calendar days of being taken unless the Termination Survey Radiological Engineer approves of an extension.

8.3 Termination Survey of Systems

- 8.3.1 The Termination Survey of Systems will be conducted in accordance with the termination survey instructions using the Termination Survey Forms, Appendix 12.2 through 12.6 for each system surveyed using the techniques described in the Survey Techniques, Section 8.2 of this procedure.
- 8.3.2 Due to the uniqueness of each system and variations in piping and component sizes, this section provides additional guidance for performing System Termination Surveys.
- 8.3.3 Review the Termination Survey Instructions Form, Appendix 12.4 for specific detailed instructions for the survey.
- 8.3.4 The normal survey process for systems is to open components, typically valves, survey the component interior and survey the interior adjacent piping on both sides of the component as far as can be practicably reached.
- 8.3.5 Accessable piping should be divided into approximately one foot sections in length for survey purposes.
- 8.3.6 One fixed point survey will be performed at approximately the mid-point of each one foot section of piping.
- 8.3.7 The number of smears required on each one foot section of piping surveyed is in accordance with the following table:

This is a minimum required number of smears. Emphasis should be given to areas where potential deposition of contamination could occur.

<u>PIPE DIAMETER</u>	<u>NUMBER OF SMEARS</u>
Less than 4"	1
Greater than 4", less than 8"	2
8" or greater, but less than 12"	3
12" or greater, but less than 16"	4

16" or greater, but less than 20"	5
20" or greater, but less than 24"	6
Greater than 24"	7

8.3.8 When surveying piping components, each component should be divided into readily identifiable areas. This should be documented on a Survey Data Sheet, Appendix 12.5 and survey map, Appendix 12.6.

8.3.9 Smears are required to be taken on accessible component areas based on component size in accordance with the following table:

<u>PIPE DIAMETER</u>	<u>NUMBER OF SMEARS</u>
Less than 4"	1
Greater than 4", less than 8"	2
8" or greater, but less than 12"	3
12" or greater, but less than 16"	4
16" or greater, but less than 20"	5
20" or greater, but less than 24"	6
Greater than 24"	7

8.3.10 The interior of tanks that have a history of contamination and are large enough to allow personnel access, should be gridded in accordance with the Shoreham Decommissioning Project Termination Survey Plan.

8.3.11 Mapping for System Surveys

- 1 survey maps, Appendix 12.6, are prepared by the Termination Survey Radiological Engineer for system components and sub-units to document the survey measurement locations, as necessary. These maps are included in the survey package.
- 2 Survey technicians may prepare additional survey maps, Appendix 12.6, as necessary to document survey measurement locations.

8.4 Termination Survey of Structures

8.4.1 General

Structures covered by this procedure include the interiors of buildings within the SNPS site developed area, the exterior surfaces of both system piping and components within those buildings, and the internal surfaces of equipment and furnishings not treated as a System component for the purposes of the Termination Survey, such as junction boxes, breaker panels and storage cabinets.

The interior surfaces of system piping and components are generally included in the Termination Survey of the associated system.

The exterior surfaces of buildings and outdoor tanks are established as survey sub-units and generally included in the Termination Survey of Outside Areas.

Structural Survey Units may be further divided into sub-units in the Survey Design process. Examples of potential sub-units are:

- a. An individual piece of equipment requiring specific survey design;
- b. A distinct collection of structural features within a survey unit, such as all piping penetrations or cable trays;
- c. An area on a different elevation from the base unit but normally accessible, as from a catwalk or subfloor;
- d. Overhead areas not normally accessible. Survey locations for overhead areas should be referenced to floor grids below, or to prominent building features.

8.4.2 Survey Instructions for Structures

The Termination Survey of Structures will be conducted in accordance with the Termination Survey Instruction Forms, Appendix 12.2 through 12.6., using the techniques described in Section 8.2 of this procedure, "Survey Techniques".

During the performance of structural surveys emphasis should be given to potential hideouts such as cracks, fissures, and areas inaccessible to standard measurement and sampling techniques. Material samples such as paint scrapings sediment or other material may be additionally required in certain locations where the design review indicates the potential for residual contamination.

8.4.3 Gridding

Grids of one meter² are established as required by the Termination Survey Plan for structural survey units classified as affected. Larger grid blocks may be indicated for unaffected survey units when gridding is required. This gridding is performed under a separate Work Instruction, reference 11.8.

8.4.4 Mapping for Structural Surveys

8.4.4.1 Grid maps for gridded structures show the grids on a scale plan view drawing of the survey unit. Grid lines are drawn on the map to show the grids after the grids are marked out on the actual surfaces. See example, Base Grip Map, Appendix 12.7.

8.4.4.2 Survey maps are prepared by the Termination Survey Section for survey units and sub-units to document the survey measurement locations. These maps are included in the survey package. Survey technicians may prepare additional survey maps, Appendix 12.6, as necessary.

8.5 Survey of Outdoor Areas

8.5.1 General

Outdoor areas covered by this procedure include site grounds, roadways, loading ramps, sidewalks. Measurements in outdoor areas include gamma surface scans and exterior surfaces of buildings and tanks, gamma dose rate at one meter, total (direct) surface beta-gamma and removable surface beta-gamma. Smears are limited to paved surfaces, building exteriors and other hard surfaces. Outdoor areas include two types of survey units: site grounds and structure exterior surfaces.

The interior of major structures in the outdoor areas, such as buildings, are designated as structural survey units and surveyed independently of the surrounding outdoor area.

8.5.2 Survey Instructions for Outdoor Areas

The survey of outdoor areas is administered and controlled under this procedure in the same manner as indoor structural and system survey units. Survey instructions are prepared for each outdoor survey unit in accordance with Section 8.1 and Appendix 12.1 of this procedure. Grid map(s) are included in the survey package which show the unit ID No., name, boundaries, principal features, and the outdoor reference grid system.

8.5.3 Gridding

8.5.3.1 Gridding of outdoor area survey units is required only in survey units classified as affected. Grid marking is performed in accord with the guidelines in the Termination Survey Plan.

8.5.3.2 On non-paved ground areas, temporary grids may be required, per survey instructions. They are established as follows: temporary lines are marked using stakes, (or pins) and rope. The rope is marked in increments using contrasting paint, ink or firmly attached ribbon. Several parallel lines (a minimum of three) are established. The pins and ropes may be moved as surveys are completed to avoid the need to maintain grid lines over the entire area.

8.5.4 Mapping for Outdoor Surveys

Grid maps for ground areas show the reference grids on a scale plan view drawing of the survey unit.

8.5.5 Survey of Paved Areas

Paved areas are surface scanned for beta-gamma over the area designated in the survey instructions. Floor monitors are used where smooth areas permit, otherwise large area hand-held detectors are used. Direct surface beta-gamma, and gamma exposure rate measurements at one meter are taken in grid blocks designated in the survey instruction. Smears of selected grid blocks are taken as directed in the survey instruction.

8.5.6 Survey of Site Grounds

Site grounds in non-paved areas are surveyed by scanning with an NaI detector or microrem meter maintained within 10 cm from the ground surface. The scan is performed on one meter traverses over the area designated in the instruction. The Technician walks along the grid row centerline at a speed not to exceed 1 ft. per second. The detector is moved in a serpentine pattern. Gamma exposure rate measurements at one meter from the surface are taken at each grid block designated in the survey instruction.

8.5.7 Survey of Building Roofs

Roof surfaces are surface scanned for beta-gamma over 100% of the area designated in the survey instruction. Direct surface beta-gamma, and gamma exposure rate measurements at one meter are made in each grid block designated in the survey instruction. Smears are taken at each grid block so designated in the survey instruction.

8.5.8 Survey of Building and Structure Exteriors

Building and structure exterior surfaces are surface scanned for beta-gamma using large area hand-held detectors over 100% of the designated area. Smears are taken at locations specified in the instructions.

8.5.9 Survey of Small Structures and Fixed Equipment

Small structures and fixed equipment items which are not designated as structural survey units are surveyed within the outdoor area where they are located. They may be identified as sub-units of the outdoor survey unit. A sketch is attached to the survey instructions which shows the item and identifies the location of measurements.

- 8.5.10 Survey of outdoor portions of storm drains, swells and other catchments may require collection of samples of sediment, soil, dirt or similar material deposits.

8.6 Remediation

- 8.6.1 If during the performance of a termination survey, contamination or radiation levels are determined to be above the release guidelines, then the technician shall notify the Lead HP Technician.
- 8.6.2 The Lead HP Technician will verify the survey results.
- 8.6.3 If it is determined that the contamination or radiation levels are above the release guidelines, then the Lead HP Technician shall notify the HP Foreman.
- 8.6.4 If survey unit remediation is required, survey unit control will be surrendered to the Operational Health Physics group in accordance with SP67X001.04, Termination Survey Unit, Turnover and Control Procedure, Reference 11.6 and/or SP 61X010.03, Health Physics Postings and Signs, Reference 11.3.
- 8.6.5 When remediation of a survey unit is complete, then the Operational Health Physics group will again transfer control of the survey unit in accordance with SP 67X001.04, Termination Survey Preparation, Turnover and Control of Survey Units Procedure, Reference 11.6 or SP 61X010.03, Health Physics Postings and Signs, Reference 11.3, whichever is applicable, and all remedial action documentation to the Termination Survey Section.
- 8.6.6 When remediation of a survey unit and turnover to the Termination Survey Section is complete, then the Termination Survey design will be reviewed and changed, as required, to reflect the survey unit configuration following remediation and additional survey instructions will be added to the Termination Survey design, as required, for a final Termination Survey.

8.7 Marking and Disposition of Smears

- 8.7.1 All smears taken for Termination Survey purposes will have 100% traceability to a specific survey unit and grid block or system component, if applicable.

8.7.2 Smear folders shall be clearly marked as follows:

- .1 Survey point or location designation.
- .2 Any other amplifying description needed to precisely designate the smear.

8.7.3 The smear itself shall also be marked uniquely, to identify it should separation from its folder occur. The smear shall be marked with the survey unit number and smear location number.

8.7.4 All smears from the same unit will be placed in a plastic bag marked with the survey unit number and technician's name (printed).

8.8 Work on Systems, Components or Structures that have been Terminated

8.8.1 Any work to be performed on systems, components or structures that have been Terminated will be completed inside a "Clean Area" as defined by SP 61X0101.03, Health Injuries Postings and Signs, Reference 11.3.

9.0 ACCEPTANCE CRITERIA

9.1 Termination Survey is completed including all required signatures.

9.2 Quality Control surveillance satisfactorily completed if required.

10.0 FINAL CONDITIONS

10.1 A non-functional system survey unit is restored to a condition to minimize the potential for contamination.

10.2 A functional system survey unit is restored to functional status to support Operations.

10.3 When a functional system survey unit is terminated, a PM SAWS may be prepared to periodically sample the process stream to ensure the system does not become contaminated as a result of its operational status.

10.4 When the Termination Survey package is complete and MWR's are closed, all documentation is sent to and maintained in the system, structure or outside area survey unit files by the Termination Survey Group.

10.5 Clean areas are established on all KCA structural survey units to prevent potential contamination of terminated surveyed areas, in accordance with reference 11.3, or reference 11.6.

11.0 REFERENCES

11.1 PDXOM-01 Attachment 8.1, Criteria for Release of SNPS for Unrestricted Use Following Decommissioning.

11.2 SP 67X001.03, Termination Survey Quality Control Procedure.

- 11.3 SP 61X010.03, Health Physics Postings and Signs.
- 11.4 Shoreham Decommissioning Project Termination Survey Plan.
- 11.5 SP 12X023.01, Station Housekeeping.
- 11.6 SP 67X001.04, Termination Survey Unit Turnover and Control Procedure.
- 11.7 SP 12X013.01, Maintenance Work Requests.
- 11.8 W.I. 25-0, Gridding for Termination Surveys.
- 11.9 SP 67X001.08, Survey Unit Classification Procedure.
- 11.10 SP 61X040.01, Health Physics Technician Selection, Training and Qualification Program.
- 11.11 SP 61X080.01, Control of Health Physics Instrumentation.
- 11.12 SP 67X001.05, Termination Survey Data Receipt and Management.

12.0 APPENDICES

- 12.1 Forms Description.
- 12.2 (SAMPLE), Termination Survey General Instruction Form.
- 12.3 (SAMPLE), Termination Survey Control Form.
- 12.4 (SAMPLE), Termination Survey Instruction Form.
- 12.5 (SAMPLE), Termination Survey Data Sheet.
(SAMPLE), Termination survey Comments Sheet.
- 12.6 (SAMPLE), Typical Survey Sheet.
- 12.7 (SAMPLE), Base Grid Map.

FORMS DESCRIPTION

1.0 Termination Survey General Instructions Form (Sample, Appendix 12.2)

This form should be prepared by the Termination Section Radiological Engineer responsible for the Survey Unit Design.

- 1.1 Survey Unit No. - The survey unit number, i.e., SU040, from the Termination Survey Unit List of Reference 11.9.
- 1.2 Classification - The classification of the survey unit, either affected "A" or unaffected "U", based on the system history file classification or Reference 11.9, Survey Unit Classification Procedure.
- 1.3 Bldg. - The building in which the major portion of where the survey unit is located and other buildings, as applicable. For outside areas, N/A.
- RB - Reactor Building
TB - Turbine Building
RW - Radwaste Building
CB - Control Building
OS - Office Building
- Example: RB/TB
- 1.4 El - The building elevation for the survey unit or the majority of the system survey unit, examples: 63'/37' for a system, for outside areas, survey units, "N/A".
- 1.5 Unit Name - The noun name of the survey unit from the Termination Survey Unit List of Reference 11.9.
- 1.6 Base Map No. - The base map number for the survey unit, example: TB039A. For system survey units, N/A.
- 1.7 System No. - The system index code, example, N44. For structural and outside area survey units, N/A.
- 1.8 Indoor Area - Check this block if the survey unit is an indoor area or "N/A" as applicable.
- 1.9 Outdoor Area - Check this block if the survey unit is an outdoor area or "N/A" as applicable.
- 1.10 Preliminary Survey - Check this block if the survey unit design is being prepared for a preliminary survey and does not represent the final termination survey. If this block is marked, then N/A the Final Survey and Other Survey blocks.

FORMS DESCRIPTION (cont)

- 1.11 Final Survey - Check this block if the survey unit design is being prepared for the final termination survey. If this block is marked, then N/A the Preliminary and Other Survey blocks.
- 1.12 Other Survey - Check this block if the survey unit design is other than a preliminary or final survey. If this block is marked, then N/A the Preliminary and Final Survey blocks.
- 1.13 Number - Number this column sequentially to designate each instruction.
- 1.14 Instruction - This portion of the form should contain any comments, information or instructions needed for the performance of the Termination Survey.
- 1.15 Prepared by - The preparer of this form shall sign and date this block.
- 1.16 Reviewed by - The reviewer of this form, other than the preparer, shall acknowledge the review by signing and dating this block.

0 Termination Survey Control Form (SAMPLE, Appendix 12.3).

2.1 Survey Unit No. - The survey unit number. Example, SU040, from the Termination Survey Unit List of Reference 11.9.

2.2 Class No. - The classification of the survey unit, either affected or unaffected, based on the survey unit history file classification or Reference 11.9, Survey Unit Classification Procedure.

2.3 Bldg. - The building in which the major portion of where the survey unit is located and other buildings, as applicable. For outside areas, N/A.

RE - Reactor Bldg.	PC - Drywell(Primary Containment)
TB - Turbine Bldg.	SP - Suppression Pool
RW - Radwaste Bldg.	OB - Office & Service Bldg.
CE - Control Bldg.	AB - O&S Bldg. Annex
OS - Other Site Bldgs.	SE - Structure Exteriors
	SG - Site Grounds
	SU - System Units(Plant Systems)

Example: RB/TB

2.4 El - The building elevation for the survey unit or the majority of the system survey unit, examples: 63'/37' for a system; for outside areas, survey units, "N/A".

2.5 Unit Name - The noun name of the survey unit from the Termination Survey Unit List of Reference 11.9.

2.6 Base Map No. - The base map number for the survey unit. For system survey units, N/A.

2.7 System No. - The system index code, example, N44. For structural and outside area survey units, N/A.

2.8 Indoor Area - Check this block if the survey unit is an indoor area or "N/A" as applicable.

2.9 Outdoor Area - Check this block if the survey unit is an outdoor area or "N/A" as applicable.

2.10 Preliminary Survey - Check this block if the survey unit design is being prepared for a preliminary survey and does not represent the final termination survey. If this block is marked, then N/A the Final Survey and Other Survey blocks.

2.11 Final Survey - Check this block if the survey unit design is being prepared for the final termination survey. If this block is marked, then N/A the Preliminary and Other Survey blocks.

- 2.12 Other Survey - Check this block if the survey unit design is other than a preliminary or final survey. If this block is marked, then N/A the Preliminary and Final Survey blocks.

2.13 Sub-units

- .1 This section should be the same as the sub-units listed on the Termination Survey Design Worksheet.
- .2 Map-Drawing Nos. - This should include all applicable drawings for the sub-units, examples, MFSK, FM, MBSK, attached hand drawing, grid maps and survey sheets. Maps for structural sub-units will use the base map with the sequential letters, example: TB039B, TB039C.

2.14 Action

The actions described below require the person who performed the action to fill in the performed by block, initial the initial block and fill in the date block. Each action will be verified by/approved by designated individual (responsible Radiological Engineer), initialed and dated.

- .1 Description - Preparation of the survey unit history file and classification.
- .2 Design - Preparation of the specific survey unit design.
- .3 Survey - Actual survey performance.
- .4 Smear Counting - Actual counting of the survey smears.
- .5 QC Survey - Actual QC survey or surveillance.
- .6 Engineering approval - If required.
- .7 Data entry - Survey data entry into the data base.
- .8 Data entry ver. - Independent verification the data entry is complete and accurately entered into the data base.

2.15 Comments and Corrective Actions:

This will continue comments or corrective actions required for the control of the Termination Survey.

3.0 Termination Survey Instruction Form. (SAMPLE, Appendix 12.4).

This appendix should be prepared by the responsible Radiological Engineer.

3.1 Survey Unit No. - The survey unit number. Example, SU040, from the Termination Survey Unit List of Reference 11.9.

3.2 Class No. - The classification of the survey unit, either affected or unaffected, based on the survey unit history file classification or Reference 11.9, Survey Unit Classification Procedure.

3.3 Bldg. - The building in which the major portion of where the survey unit is located and other buildings, as applicable. For outside areas, N/A.

RB - Reactor Bldg.	PC - Drywell (Primary Containment)
TB - Turbine Bldg.	SP - Suppression Pool
RW - Radwaste Bldg.	OB - Office & Service Bldg.
CB - Control Bldg.	AB - O&S Bldg. Annex
OS - Other Site Bldgs.	SE - Structure Exteriors
	SG - Site Grounds
	SU - System Units (Plant Systems)

Example: RB/TB

3.4 El - The building elevation for the survey unit or the majority of the system survey unit, examples: 63'/37' for a system; for outside areas, survey units, "N/A".

3.5 Unit Name - The noun name of the survey unit from the Termination Survey Unit List of Reference 11.9.

3.6 Base Map No. - The base map number for the survey unit. For system survey units, N/A.

3.7 System No. - The system designation, example, N44. For structural and outside area survey units, N/A.

3.8 Indoor Area - Check this block if the survey unit is an indoor area or "N/A" as applicable.

3.9 Outdoor Area - Check this block if the survey unit is an outdoor area or "N/A" as applicable.

3.10 Preliminary Survey - Check this block if the survey unit design is being prepared for a preliminary survey and does not represent the final termination survey. If this block is marked, then N/A the Final Survey and Other Survey blocks.

3.11 Final Survey - Check this block if the survey unit design is being prepared for the final termination survey. If this block is marked, then N/A the Preliminary and Other Survey blocks.

3.12 Other Survey - Check this block if the survey unit design is other than a preliminary or final survey. If this block is marked, then N/A the Preliminary and Final Survey blocks.

3.13 Sub-unit - All sub-unit numbers from Appendix 12.3 should be placed in these blocks.

3.14 Scan,
Fixed Point,
Special - These blocks should be checked, for each type of survey, to be performed or N/A placed in the block.

3.15 Detailed Instructions

This portion of the survey form should include the specific details. The technician will follow these instructions in performing the survey.

- .1 Survey Unit
sub-unit: The Survey Unit or sub-unit numbers from Appendix 12.3 should be placed in these blocks.
- .2 Instruction: Specific survey instructions are entered here based on the type of survey desired, instrumentation to be used and any amplifying instructions to aid in performance of the survey.
- .3 Maps, Att.: Any maps, attachments, drawings, survey sheets should be entered in this block using their associated designations.
- .4 Prepared by: The preparer shall sign and enter the date the survey was prepared.
- .5 Reviewed by:
Date: The reviewer shall sign and enter the date when the survey review is completed. The reviewer of the survey cannot be the preparer.

4.0 Termination Survey Data Sheet. (SAMPLE, Appendix 12.5).

This sheet is to be used to indicate survey point locations and to record required readings obtained during a survey unit Termination Survey.

- 4.1 Survey Unit No.: The Survey Unit Number or sub-unit and System Designator should be placed in this block, as applicable, i.e., TB039 or SU040/N44.
- 4.2 Survey Unit Name: This is the noun name of the Survey Unit, from the Termination Survey Unit List of Reference 11.9.
- 4.3 Grid Map No.: The Grid Map Number corresponding to the Survey Unit, or N/A for system survey units.
- 4.4 Survey Map No.: This should contain any applicable maps, drawings or survey sheets that correspond to the data taken on this page, examples, MFSK, FM, MBSK, Survey Sheet #1, TB039A.
- 4.5 Surveyed by:
Date: The person or persons performing the survey should enter their Social Security number, sign and enter the date the survey was performed.
- 4.6 Instrument
Serial No.: The serial number of the instrument used to take the appropriate survey should be entered above the appropriate survey type column, example: 54321.
- 4.7 Detector
Serial No.: The serial number of the detector used to take the appropriate survey should be entered above the appropriate survey, type column, example: 12345.
- 4.8 Grid No./Comp ID: The grid number of a structure or outdoor survey unit, the ID number of a sub-unit survey point or the component identification number of a system survey unit.

i.e.: Grid No. W7-1, W7-2, W7-3, sub-unit X1-1 X1-2, etc..
Comp ID MOV-032-1, MOV-032-2, MOV-032-3
- 4.9 Survey Point No.: A sequential number starting with one (1) for all fixed points surveyed in the survey unit and sub-units. These numbers should agree with the location numbers recorded in the data logger for that point.

NOTE: For the next six columns the Rad. Engineer will put a check in the left hand of the column to indicate a point to be surveyed. The technician making the measurements will either put a check in the right hand of the column or an actual reading to show a reading has been taken, or put an asterisk to show a comment.

- 4.10 Scan - A check in these columns (with dittos or arrows) will indicate which areas to be scanned. For the survey technician, the high number for the individual scan should be entered in the first block for that scan with dittos or an arrow to show other points covered in that scan.
- 4.11 Fixed Point - A check in these columns will indicate which points will be surveyed. These data measurements will be normally recorded in the data logger. The technician, should record every 5th measurement on the data sheet manually to verify that data point and data logger measurement location codes are in agreement. Other points should be checked as taken. If not using a data logger, all data must be manually recorded.
- 4.12 Exposure - A check in this column shows the points to be measured for exposure rate. The technician will log the actual number read at this survey point. All readings must be manually recorded since this instrument is not a data logger.
- 4.13 Removable - A check in these blocks indicate at which points smears will be taken. Smear numbers shall be the same as the survey point number. The technician may check the blocks where smear have been taken.
- 4.14 Comments Attached - If comments are appropriate on any or all survey points for this sheet, check "Yes" and add comments to comment sheet. If no comments check "No".

5.0 Termination Survey Comments Sheet (SAMPLE, Appendix 12.5).

The technician should use this sheet to comment on any survey data points. Examples of comments could be but are not limited to:

- 5.1 Survey Unit No.: The Survey Unit Number or sub-unit and System Designator should be placed in this block, as applicable, i.e., TB039 or SU040/N4.
- 5.2 Survey Unit Name: This is the main name of the Survey Unit, from the Termination Survey Unit List of Reference 11.9.
- 5.3 Grid Map No.: The Grid Map Number corresponding to the Survey Unit, or N/A for system survey units.
- 5.4 Survey Map No.: This should contain any applicable maps, drawings or survey sheets that correspond to the data taken on this page, examples, MFSK, FM, MBSK, Survey Sheet #1, TB039A.
- 5.5 Surveyed by:
Date: The person or persons performing the survey should enter their Social Security number, sign and enter the date the survey was performed.
- 5.6 Grid No./
Comp ID: The corresponding Grid No./Comp ID number from the Survey Data Sheet for which the comment addresses should be written in the column. This provides traceability to the references survey location. If the comment is of a general nature, this column should state "General".
- 5.7 Comments: The technician should enter all appropriate comments in this area of the sheet.

6.0 Termination Survey Radiological Survey map (Sample, Appendix 12.6).

- 6.1 Survey Unit No. - The survey unit number, example, SU040, from the Termination Survey Unit List of Reference 11.9.
- 6.2 Map No. - This number should correspond to the sub-unit number in the survey instructions.
- 6.3 Survey Unit Name - The name of the survey unit as found on the Survey Instruction Form which is from the Termination Survey Unit List of Reference 11.9.
- 6.4 Description - A brief description of the component, pipe, structure or area being surveyed.

Sheet _____ of _____

SP 67X001.02 Rev. 0
Page 28

(SAMPLE)
Shoreham Decommissioning Project
TERMINATION SURVEY CONTROL FORM

PART 1. DESCRIPTION

Survey Unit No.		Class No.		Bldg.:		El:	
Unit Name:				Base Map No.			
System No.		Indoor Area		Outdoor Area			
Preliminary Survey		Final Survey		Other Survey			
S u b u n i t s	NO.	Name - Description			Map - Drawing Nos.		
Action	Performed by	Init	Date	Appr/Verif by	Init	Date	
Description							
Design							
Survey							
Smear Counting							
QC Survey							
Engr Approval							
Data Entry							
Data Entry Ver							
COMMENTS AND CORRECTIVE ACTIONS							

PART 1. SURVEY UNIT DESCRIPTION

Survey Unit No.	Class.	Bldg.	El:
Unit Name:		Base Map No.	
System No.	Indoor area	Outdoor area	
Preliminary Survey	Final Survey	Other Survey	

[illegible][illegible]

Date:

APPENDIX 12.5
Page 1 of 2
sheet of

SP 67X001.02 Rev. 0
Page 3

TERMINATION SURVEY COMMENTS SHEET

Sheet _____ of _____

[illegible]



LONG
ISLAND
POWER
AUTHORITY

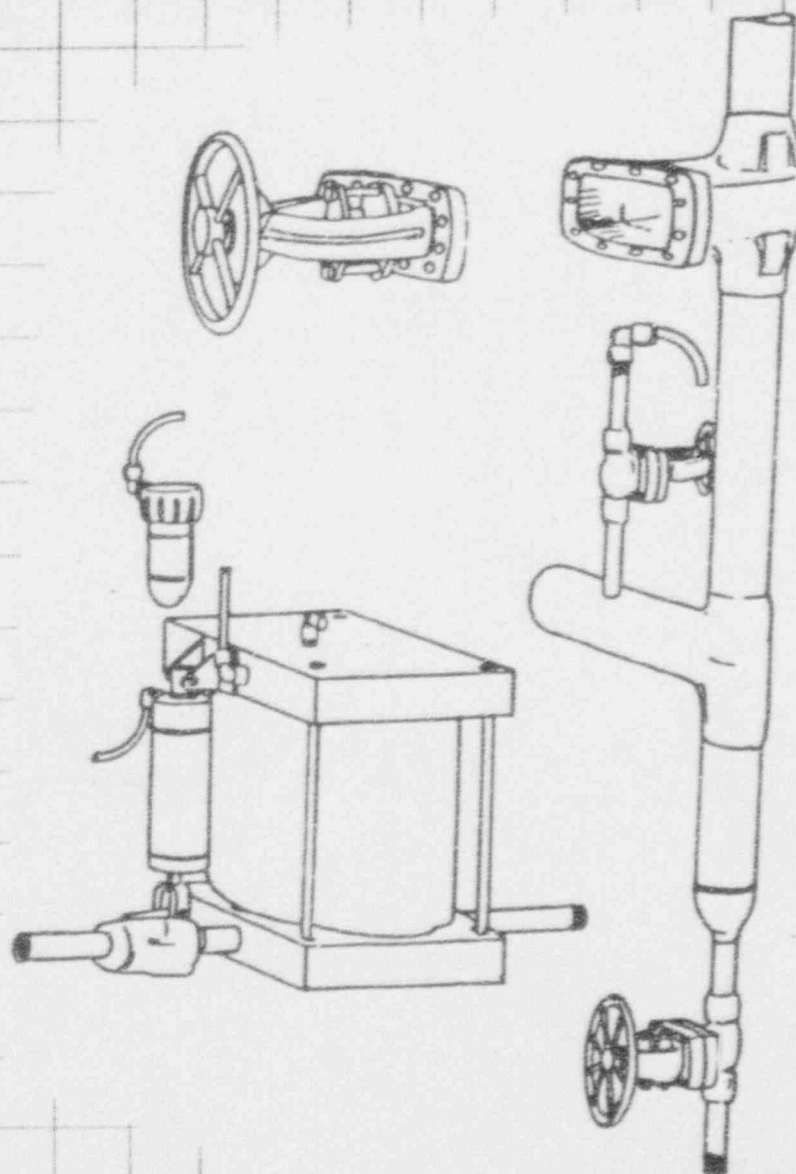
SHOREHAM DECOMMISSIONING PROJECT
TERMINATION SURVEY
RADIOLOGICAL SURVEY MAP

SURVEY UNIT #:

MAP

SURVEY UNIT NAME:

DESCRIPTION:



SAMPLE

SHOREHAM DECOMMISSIONING  TERMINATION SURVEY MAP

DESCRIPTION: "A" RFPT ROOM

- Base Grid Map

SURVEY UNIT #: TB014

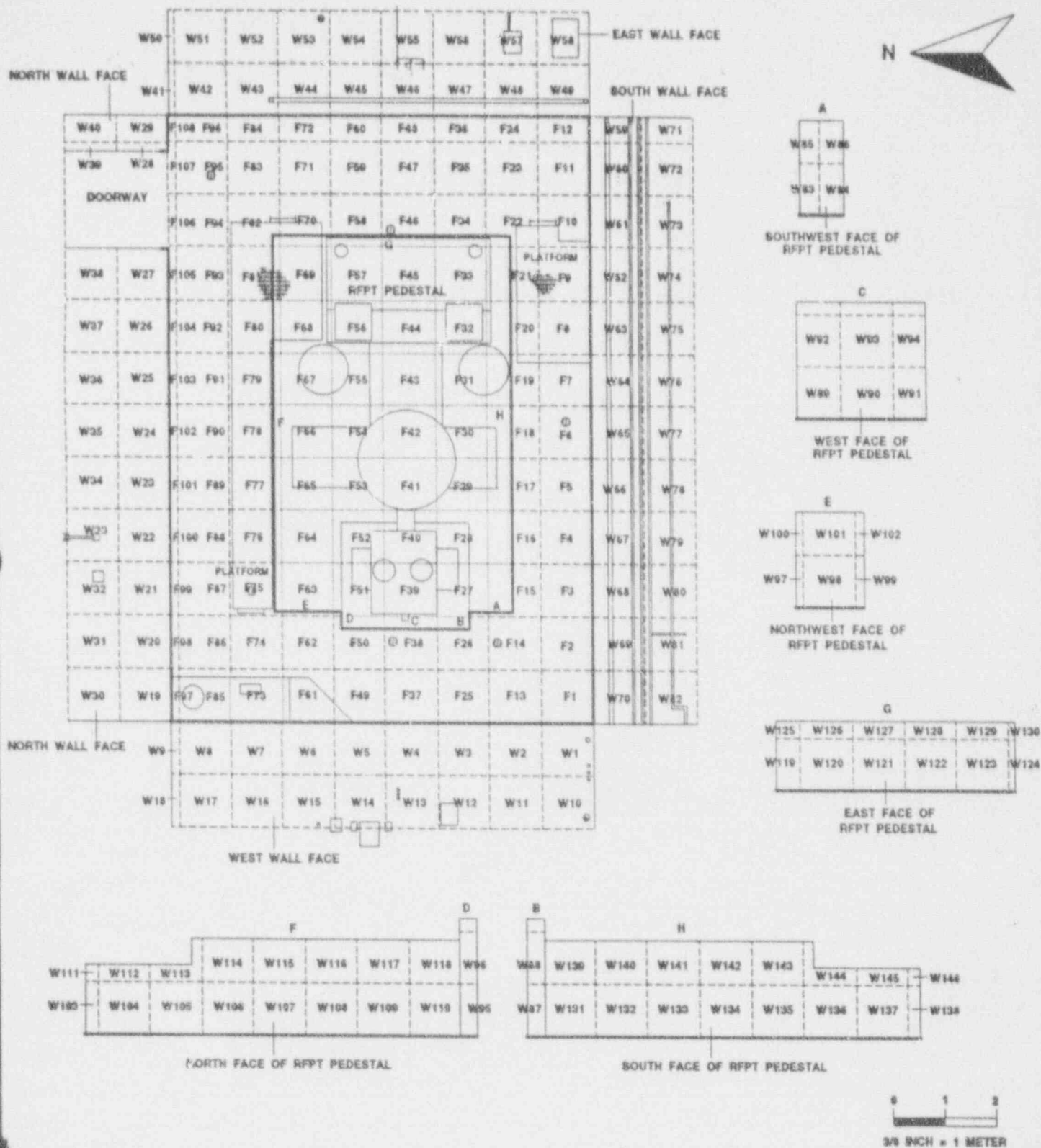
BLDG.: TURBINE

ELEV.: 15'

ZONE: 1

GRID SIZE: 1 M X 1 M

MAP #: TB014A



REMARKS:

LEGEND

- FLOOR / WALL INTERSECTION
- GRID BOUNDARY
- AREA NOT PHYSICALLY GRIDDED

REV

DATE

0

8/28/82

1

2

3

SP 67X001.02 Rev. 0

Page 34

TEMPORARY PROCEDURE CHANGE NOTICE

Date 1/29/93TPC No. 93-04

Yr.-Seq. No.

Procedure No. 67X001-02 Rev. 0 Title "SHOREHAM DECOMMISSIONING PROJECT"TERMINATION SURVEY PROCEDUREProcedure Section SEE ATTACHMENT 1TPC Effective Date 1/29/93Procedure Page " " "TPC Expiration Date 2/10/93Procedure Change: SEE ATTACHMENT 2

(Use reverse side if necessary)

Reason for Change: Clarify previously stated requirements, conform with program governing documents.Recommended for permanent procedure change Yes ☒ No ☐Originator Print Name: DENNIS W. MENARD Date: 1-28-93

Safety Evaluation:

INITIALS

Does this change, revision, or deletion:

- | | | |
|---|---|--------------|
| 1. Change the facility as described in the DSAR? | Yes <input checked="" type="checkbox"/> | No <u>cm</u> |
| 2. Change the procedures as described in the DSAR? | Yes <input checked="" type="checkbox"/> | No <u>cm</u> |
| 3. Conduct tests/experiments not described in the DSAR? | Yes <input checked="" type="checkbox"/> | No <u>cm</u> |

If the answer to any of the above three questions is YES, then a Safety Evaluation Checksheet, Appendix 12.1 of SP 12X004.02, shall be used.

Plant Management Staff

review and approval signature: Clyde D. Newman Date: 1/29/93

Technical Specification Evaluation

Does this change, revision or deletion:

- | | | | |
|--|--------------------------|---|-----------------------------|
| 1. Alter the intent of the original procedure: | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| A. Change the purpose of the procedure? | <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| B. Change the acceptance criteria of the procedure? | <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| C. Substantially and significantly modify the method of procedure performance. | <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 2. Create a condition or conduct an operation which exceeds, or could result in exceeding, the Tech. Spec. Limits? (including PCP, FHAR and ODCM). | <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

If the answer to any of the above questions is YES, do not approve the use of this form. An SPCN must be submitted in order to make this procedure change.

SRO review and approval [Signature] Date 1/29/93

SRC COMMITTEE ☐ Approved-No longer required ☐ Approved for _____ days.
 Review: ☐ Not Approved-Discontinue use ☒ Approved for procedure revision.

Disapproval Reason NAPlant Actions Req'd. NoneDivision Manager/SRC Chairman [Signature]Date 2-10-93 Meeting No. 93-008Resident Manager Approval [Signature] Date 2-10-93

TPC TO SP67X001.02, "Shoreham Decommissioning Project Termination
Survey Procedure"

ATTACHMENT 1

The following sections of SP67X001.02 are affected by the attached
TPC:

<u>Section:</u>	<u>Page:</u>
3.12	2
3.13	2
3.16	3
3.17	3
4.3	4
8.1.1	5
8.1.5	5
8.1.6	6
8.1.8	6
8.2.6.6	8
8.2.8.4	9
8.3.5	10
8.3.7	10 - 11
8.3.9	11
12.6	17

App. 12.1
Sections:

2.0	20
2.14.3	21
2.14.4	21
2.14.5	21
2.14.6	21
2.14.8	21
2.15	21

<u>App. 12.3</u>	
"Action" and	29
"Performed	29
by" Columns	

The listed sections of SP67X001.02 are changed as follows:

Section: Change:

3.12 "Following completion of the Termination Survey of a survey unit, the survey package is returned to the Termination Survey Section for review and acceptance of the survey data."

3.13 [DELETE]

3.16 "A separate independent survey [DELETE "package"] will be completed...."

3.17 "The Termination Survey Quality Control Survey [DELETE "Package"] shall be performed...."

4.3 "The survey point no. column on the Termination Survey Data Sheet, Appendix 12.5, is the identifiable reference to the survey location. Care must be taken to ensure that the survey point number is entered correctly into the Data Logger."

8.1.1 "Review the Termination Survey Package to ensure it is complete and review the survey instructions. The survey package includes as necessary the following:

- | | |
|---------------------------------|----------------------------|
| 1) General Instruction Form | 4) Survey Data Sheets** |
| 2) Survey Control Form* | 5) Survey Comment Sheet |
| 3) Survey Instruction Form** | 6) Survey Maps |

(* used to control the overall survey of the unit; not sent to the field with individual packages.

(** required as a minimum in all packages)"

8.1.5 [MOVE OLD SECTION 8.1.5 TO "8.1.6". INSERT NEW SECTION 8.1.5 TO READ AS FOLLOWS:]

"Surveys are to be documented to show where measurements were taken such that the survey can be repeated by an independent team of technicians.

a. For structures with grid maps in the survey package, it is sufficient to show the location by identification of the grid block number on the data sheet. If grid maps are not available and it may not be readily determined where the measurement was taken by referring to the grid block number, the Comment Sheet is used to provide additional information to locate the grid block.

b. For systems, survey maps with drawings or sketches of the component are used to identify the points where direct measurements and smears were taken. The maps are annotated as necessary. If additional descriptions are needed, the Comment Sheets are to be used for this purpose."

8.1.6 [DELETE OLD SECTION 8.1.6, REPLACE WITH FORMER SECTION 8.1.5]

- 8.1.8 "At the end of each shift, the ESP-2 survey meter is returned to the Termination Survey Section for downloading of the data to the Termination Survey computer.

NOTE: If custody of the ESP-2 cannot be transferred to the Termination Survey Section for downloading, the instrument shall be returned to the Instrument Issue Point. The instrument shall not be issued for use in the field until data downloading has been completed."

8.2.6.6 [DELETE]

8.2.8.4 [ADD ... "for any smear greater than 100 ncpm." TO END OF PARAGRAPH]

8.3.5 "Accessible piping...."

8.3.7 "Less than [INSERT "or equal to"] 4"..."
"Greater than [INSERT "or equal to"] 24"..."

8.3.9 "Less than [INSERT "or equal to"] 4"..."
"Greater than [INSERT "or equal to"] 24"..."

12.6 "(SAMPLE), Typical Radiological Survey Map"

App. 12.1 Sections:

2.0 "Termination Survey Control Form (SAMPLE, Appendix 12.3).

This form should be prepared by the Termination Survey Radiological Engineer responsible for the Survey Design of the survey unit."

2.14.3 " Survey - (verification only)"

2.14.4 " Smear Counting - (verification only)"

2.14.5 " QC Survey - (verification only)"

2.14.6 "Preparation of Survey Package for Data Entry."

2.14.8 "Data Evaluation - Evaluation of the survey data and results is performed to ensure that the survey unit satisfies the release criteria."

2.15 "Comments and Corrective Actions:

This will contain comments...."

App. 12.3

"Action" Column: [CHANGE "Engr Approval" TO "Pkg. Prep for Data Entry"]
[CHANGE "Data Entry Ver" TO " Data Evaluation"]

"Performed by/Init/Date" Column [SHADE OR HATCH OUT EACH OF THE FIRST THREE BLOCKS TO THE RIGHT OF "Survey", "Smear Counting", AND "QC Survey"]

TEMPORARY PROCEDURE CHANGE NOTICE

Date 2/2/93 TPC No. 93-08
 Yr.-Seq. No.
 Procedure No. 67X001.02 Rev. 0 Title SHREHAM DECOMMISSIONING PROJECT
TERMINATION SURVEY PROCEDURE
 Procedure Section 8.2.8.2-8.2.8.9 TPC Effective Date 2/2/93
 Procedure Page 9+10 TPC Expiration Date 3/3/93

Procedure Change: SEE ATTACHMENT 1

(Use reverse side if necessary)

Reason for Change: CLARIFY EXISTING REQUIREMENTS FOR PIPING SURVEYS

Recommended for permanent procedure change Yes ☒ No ☐

Originator Print Name: DENNIS W. MENARD Date: 2/1/93

Safety Evaluation:

INITIALS

Does this change, revision, or deletion:

- | | | |
|---|---|--------------|
| 1. Change the facility as described in the DSAR? | Yes <input checked="" type="checkbox"/> | No <u>CM</u> |
| 2. Change the procedures as described in the DSAR? | Yes <input checked="" type="checkbox"/> | No <u>CM</u> |
| 3. Conduct tests/experiments not described in the DSAR? | Yes <input checked="" type="checkbox"/> | No <u>CM</u> |

If the answer to any of the above three questions is YES, then a Safety Evaluation Checksheet, Appendix 12.1 of SP 12X004.02, shall be used.

Plant Management Staff

review and approval signature: Clayton T. Newman Date: 2/1/93

Technical Specification Evaluation

Does this change, revision or deletion:

- | | | | |
|--|--|---|-----------------------------|
| 1. Alter the intent of the original procedure: | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| A. Change the purpose of the procedure? | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| B. Change the acceptance criteria of the procedure? | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| C. Substantially and significantly modify the method of procedure performance. | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 2. Create a condition or conduct an operation which exceeds, or could result in exceeding, the Tech. Spec. Limits? (including PCP, FHAR and ODCM). | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

If the answer to any of the above questions is YES, do not approve the use of this form. An SPCN must be submitted in order to make this procedure change.

SRO review and approval [Signature] Date 2/2/93

SRC COMMITTEE ☐ Approved-No longer required ☐ Approved for _____ days.
 Review: ☐ Not Approved-Discontinue use ☒ Approved for procedure revision.

Disapproval Reason NA

Plant Actions Req'd. None

Division Manager/SRC Chairman [Signature]

Date 2-10-93

Meeting No. 93-008

Resident Manager Approval [Signature]

Date 2-10-93

The listed sections of SP67X001.02 are changed as follows:

<u>Section:</u>	<u>Page:</u>	<u>Change:</u>
8.2.8.2	9	[DELETE, REPLACE WITH : "Smears shall be taken as practicable on the internals of systems. If system size prevents access to internals by smear, a qualitative analysis using a cotton swab should be done. Any sample form other than a smear should be documented in the comments section of the data sheet."]
8.2.8.3	9	[DELETE]
8.2.8.4 - 8.2.8.9	9,10	[MOVE TO FORMER STEPS 8.2.8.3 - 8.2.8.8]