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TO: ~~GERLACH ROSE M~~ 06/27/2003
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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY OR ELECTRONIC MANUAL ASSIGNED TO YOU:

115 - 115 - CHEMISTRY SAMPLING TEAM: EMERGENCY PLAN-POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 06/24/2003

ADD MANUAL TABLE OF CONTENTS DATE: 06/26/2003

CATEGORY: PROCEDURES TYPE: EP

ID: EP-PS-115

REMOVE: REV:14

ADD: REV: 15

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ADYS

PROCEDURE COVER SHEET

| | | |
|--|---|---|
| PPL SUSQUEHANNA, LLC | NUCLEAR DEPARTMENT PROCEDURE | |
| <p align="center">CHEMISTRY SAMPLING TEAM EMERGENCY PLAN POSITION SPECIFIC INSTRUCTION</p> | | <p align="center">EP-PS-115 Revision 15 Page 1 of 4</p> |
| <p>QUALITY CLASSIFICATION: () QA Program (X) Non-QA Program</p> | <p>APPROVAL CLASSIFICATION: () Plant () Non-Plant (X) Instruction</p> | |
| <p align="center">EFFECTIVE DATE: <u>6-26-2003</u></p> <p align="center">PERIODIC REVIEW FREQUENCY: <u>2 Years</u></p> <p align="center">PERIODIC REVIEW DUE DATE: <u>6-26-2005</u></p> | | |
| <p>RECOMMENDED REVIEWS: ALL</p> | | |
| <p>Procedure Owner: <u>Nuclear Emergency Planning</u></p> <p>Responsible Supervisor: <u>Chemistry Supervisor-SSES</u></p> <p>Responsible FUM: <u>Supv.-Nuclear Emergency Planning</u></p> <p>Responsible Approver: <u>Vice President-Site Operations</u></p> | | |

CHEMISTRY SAMPLING TEAM

Emergency Plan-Position Specific Procedure

WHEN: All Phases, Alert or higher
HOW NOTIFIED: Plant Page System
REPORT TO: Chemistry Coordinator or TSC Coordinator
WHERE TO REPORT: Control Room and then TSC

OVERALL DUTY:

Collect and analyze samples to obtain data required to manage the emergency.

MAJOR TASKS:

TAB:

REVISION:

BRIEFING, ASSIGNMENTS, AND PREPARATION OF RADIOCHEMISTRY LAB(S)

1

| | | |
|---|-------|---|
| Report for briefing and assignment(s) | TAB A | 9 |
| Prepare In-Plant Chemistry Lab to accept samples | TAB B | 4 |
| Prepare West Building Chemistry Lab to accept samples | TAB C | 6 |

PASS SAMPLING AND ANALYSIS PROCEDURES

| | | |
|--|-------|---|
| Prepare Post Accident Sample Station (PASS) for sample collection. Secure PASS after sample(s) have been taken | TAB D | 9 |
| Collect Small Volume Liquid Sample(s) from PASS | TAB E | 7 |
| Collect Dissolved Gas Sample(s) and/or Large Volume Liquid Sample(s) from PASS | TAB F | 8 |
| Collect 14.7cc Gas Sample(s) from PASS | TAB G | 7 |
| Collect Iodine/Particulate Sample(s) from PASS | TAB H | 5 |
| Prepare and Analyze PASS Small Volume Liquid Sample(s) | TAB I | 6 |

| MAJOR TASKS: | TAB: | REVISION: |
|--|-------------|------------------|
| PASS SAMPLING AND ANALYSIS PROCEDURES (continued) | | |
| Prepare and Analyze PASS Dissolved Gas Sample(s) | TAB J | 7 |
| Prepare and Analyze PASS 14.7 cc Gas Sample(s) | TAB K | 7 |
| Prepare and Analyze PASS Particulate and Iodine Sample(s) | TAB L | 4 |
| VENT MONITORING AND ANALYSIS PROCEDURES | | |
| Collect SPING Sample(s) from Vent Monitoring System on Reactor Building 818' EL. | TAB M | 6 |
| Collect Sample(s) from Post Accident Vent Sampling System (PAVSS) on Turbine 729' EL. | TAB N | 9 |
| Prepare and Analyze Vent Monitor Sample(s) | TAB O | 7 |
| ADDITIONAL TASKS | | |
| Collect and Analyze Sample from Reactor Building Sampling Station. Sample has potential to be highly radioactive. | TAB P | 5 |
| In the event of an Unmonitored Liquid Release, collect and analyze Liquid Samples | TAB Q | 6 |
| RHR Service Water samples when RHR Service Water is in service but RHR-SW rad monitor is inoperable and normal sample point is unavailable | TAB R | 5 |

SUPPORTING INFORMATION:

TAB:

| | |
|---|-------|
| Emergency Telephone Instructions | TAB 1 |
| Emergency Organizations | TAB 2 |
| Logkeeping | TAB 3 |
| Sampling Requirements Based on Key Indicators | TAB 4 |
| Intentionally Blank | TAB 5 |
| Area Radiation Monitors | TAB 6 |
| PAVSS Instructions | TAB 7 |

REFERENCES:

Post Accident Sample Station User's Manual, GE, NEDC-24889

General Electric Post Accident Sample Station Manual, GEK-83344

CH-CC-010, Chloride – Silver Nitrate Turbidimetric Method

CH-CC-030, Laboratory pH Determination

CH-CC-040, Hydrogen By GC

Ch-CC-043, Analytical Procedures for HACH or BETZ Portable Spectrophotometer Labs

CH-GI-051, Instrument Checks at the Offsite Chemistry Lab

CH-RC-010, Iodine Counting and Data Analysis

CH-RC-016, Particulate Filter Analysis

CH-RC-071, Radiochemical Analysis of High Activity Iodine Cartridge Samples

CH-RC-076, Gamma Spectral Analysis Using the ND 9900

TS 5.5.3

SPECIFIC TASKS:

HOW:

INITIALS

3. Upon activation of the TSC report to the Technical Support Coordinator until the arrival of the Chemistry Coordinator.

4. Obtain briefing and assignments from the Technical Support Coordinator until the arrival of the Chemistry Coordinator.

4a. The following information:

(1) Team # _____

(2) Required samples and analyses:

4b. If PASS samples are requested, obtain the following information:

(1) Reactor Pressure: _____ psig

(2) RHR Mode: _____

RHR Pump A&C In Service/
Out of Service. (Circle)

RHR Pump B&D In Service/
Out of Service. (Circle)

(3) If a RHR sample is requested, record date and time RHR was placed in mode to be sampled. _____

4c. If PAVSS samples are requested, perform the following:

(1) Contact I&C to reset flow totalizers on PAVSS prior to sampling.

SPECIFIC TASKS:

HOW:

INITIALS

5b. Perform the following special actions, if applicable:

(1) If collecting a SPING sample, obtain and record ARM readings on Reactor Building 818' El.

(2) If collecting a PAVSS sample, obtain radiation readings from Turbine Building 729' El. And record.

(3) If collecting a PASS sample, obtain radiation readings from Turbine Building 729' El. and record.

| SPECIFIC TASKS: | HOW: | INITIALS |
|------------------------|---|-----------------|
| | <p>(4) If collecting an RBSS sample, obtain and record radiation readings in sampling room, or from ARM's nearby, if available.</p> <hr/> | |
| | <p>5c. Determine best route to and from sample point by performing the following:</p> <p>(1) If cart is required to transport sampling equipment, confirm elevator or appropriate building may be used.</p> <p>(2) Record recommended route to and from sample point:</p> <hr/> | |
| | <p>(3) Record any pertinent technical conditions which could affect sample collection:</p> <hr/> | |

SPECIFIC TASKS:

HOW:

INITIALS

HELP

**PASS Sample(s)
See TAB D**

HELP

**SPING Sample(s)
See TAB M**

HELP

**PAVSS Sample(s)
See TAB N**

HELP

**RBSS Sample(s)
See TAB P**

HELP

**Unmonitored Liquid Release
Sample(s)
See TAB Q**