



Callaway
Energy Center

EIP-ZZ-00240 ADDENDUM G
CHEMISTRY COORDINATOR CHECKLIST
MINOR Revision 015

CHEMISTRY COORDINATOR CHECKLIST**TABLE OF CONTENTS**

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CHEMISTRY COORDINATOR CHECKLIST

1.0 PURPOSE

Provide guidance in the performance of the Chemistry Coordinator position for Radiological Emergency Response Plan (RERP) events.

2.0 SCOPE

This procedure covers the Chemistry Coordinator position. Other positions are covered in separate procedures.

3.0 RESPONSIBILITIES

Chemistry Coordinator responsibilities are covered in the body of the main procedure, EIP-ZZ-00240, Technical Support Center Operations.

4.0 PROCEDURE INSTRUCTIONS

Chemistry Coordinator's procedural instructions are covered in the body of the main procedure, EIP-ZZ-00240, Technical Support Center Operations.

5.0 REFERENCES

5.1. Implementing

- 5.1.1. APA-ZZ-01023, Primary-To-Secondary Leakage Program
- 5.1.2. CTP-ZZ-02590, Primary To Secondary Leak Rate Determination
- 5.1.3. CDP-ZZ-08100, Post Accident Sampling Guidelines
- 5.1.4. CSP-ZZ-07600, RCS Activity Determinations
- 5.1.5. EIP-ZZ-00101, Classification of Emergencies
- 5.1.6. EIP-ZZ-00240, Technical Support Center Operations
- 5.1.7. OTN-SJ-00001, Control Board SJ Valve Alignment for RCS Sampling

5.2. Developmental

- 5.2.1. Callaway Plant RERP
- 5.2.2. UOTH090021, RP Technician and Dose Assessment Coordinator Experience Requirements

6.0 RECORDS

This addendum becomes a record of the event and is given to the Administrative Coordinator or Emergency Preparedness staff following the event.

7.0 DEFINITIONS

None

8.0 SUMMARY OF CHANGES

Page(s)	Section or Step Number	Description
		Changes made as directed by CR202301425
6 & 7	Operations step 6, 8 & 11	Steps were reordered to match potential event progression. Enhancements to the flow of actions was identified during 2023 NRC Exercise.

CHEMISTRY COORDINATOR CHECKLIST

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Date: _____ Time: _____

INITIATION

1. Initial entrance to the Technical Support Center (TSC):
 - a. CARD IN using the accountability card reader.
 - b. SIGN IN on Facility Sign-in board.
 - c. CLIP ON Chemistry Coordinator badge retrieved from the Chemistry Coordinator Packet.
2. INITIATE Log sheet.
3. MAKE log entry noting time when ready to assume duties.
4. INFORM Technical Assessment Coordinator when ready to assume duties.
5. CONTACT On-Shift Chemistry Tech:
 - REMIND them to card in at the Field Office for accountability.
 - REMIND them that sample results are to be updated immediately on the Chemistry Data Management System (CDMS).
6. Personnel Assignments:
 - Chemistry technicians (*minimum 2 required, one On-Shift, one TSC support shared with HPC*)

On-Shift: _____
(Print Name)

TSC support: _____
(Print Name)
 - Extra technicians available:

_____ (Print Name)
Location

_____ (Print Name)
Location
7. ASSIGN an available Chemistry Supervisor to the Hot Lab as needed.
8. DISCUSS plant chemistry status with Tech Assessment Coordinator.

-END OF SECTION-

Chemistry Coordinator Checklist (Cont'd.)

Sheet 2 of 4

OPERATIONS

Steps in this Section should be frequently reviewed.

NOTE

If accident scenario carries past design basis accidents, copies of the SAMG and EC Supplemental Guidelines are available in the TSC Reference area or the eB Document Room. *(SAMGs can be found under SAG-1 and SAG-2)*

Personnel that leave the Facility should check out with the Security Officer.

If a release above normal operating limits has occurred or is likely to occur, a radiological brief is required.

1. APPROVE and DISTRIBUTE updated CDMS data to the following as it becomes available:
 - Technical Assessment Coordinator.
 - HP Coordinator.
 - Reactor Engineer.
2. IF personnel are dispatched by you to another facility, INITIATE a follow-up call in 15-20 minutes to ensure they arrive safely.

CAUTION

EIP-ZZ-00101, Classification of Emergencies, has limits for Dose Equivalent I-131 and Dose Equivalent Xe-133.

3. MONITOR the following and REPORT any concerns to the TAC:
 - Technical Specifications based on elevated DEI. (e.g. If DEI > 60 μ Ci/gram, need to be in MODE 5 in 36 hours.)
 - Any Emergency Action Level (EAL) that is being approached or exceeded.
4. IF SJRE01 or SJ room radiation levels are elevated, EVALUATE if RCS specific activity limit is exceeded and if plant should be shut down. *(Refer to CSP-ZZ-07600, RCS Activity Determinations, CDP-ZZ-08100, Post Accident Sampling Guidelines, and SD-RE-0024.)*
5. EVALUATE Secondary Chemistry conditions including Primary-to-Secondary Leakage using CTP-ZZ-02590, Primary To Secondary Leak Rate Determination, and APA-ZZ-01023, Primary-To-Secondary Leakage Program.
6. IF Reactor Trips, REFER to CA3301, Chemistry Reactor Trip Checklist.

Chemistry Coordinator Checklist (Cont'd.)

Sheet 3 of 4

7. IF Heat Load exists on UHS Pond, EVALUATE chemical additions using applicable software.

NOTE

On a SI actuation, SJ sample cooling water will be lost.

CVCS letdown samples will remain representative as long as letdown flow is available.

CAUTION

A high/very high radiation area could be created by aligning RCS sample points at the SJ sink if the fuel in the core has been damaged.

8. IF Safety Injection (SI) occurs, the following actions must be taken prior to sampling:
- DISCUSS current plant conditions, including any fuel damage assessment, with Radiation Protection and Reactor Engineering prior to aligning any RCS sample point.
 - REQUEST Operations to RESET SI. This is required prior to re-establishing SJ sample and cooling water flow.
 - REQUEST Operations to OPEN the following valves to restore cooling flow as soon as practical (all 4 are required to be OPEN to establish cooling water flow).
 - EGHV0069A, CCW TO RW PROT A SPLY ISO HV
 - EGHV0069B, CCW FROM RW PROT A RTN ISO HV
 - EGHV0070A, CCW TO RW PROT B SPLY ISO HV
 - EGHV0070B, CCW FROM RW PROT B RTN ISO HV
 - REQUEST to ALIGN one of the hot leg sample points IAW OTN-SJ-00001, Control Board SJ Valve Alignment for RCS Sampling.
9. IF Post Accident Sample is requested, REFER to CDP-ZZ-08100, Post Accident Sampling Guidelines, located in Chemistry Coordinator Packet. *(USE the Emergency RWP at Alert or higher.)*
10. MONITOR Post Accident Sampling data and PROVIDE recommendations as necessary.
11. IDENTIFY additional support (e.g. personnel, off site analysis) and COORDINATE requests through the Admin Coordinator.

-END OF SECTION-

Chemistry Coordinator Checklist (Cont'd.)

Sheet 4 of 4

TURNOVER

1. BRIEF incoming Chemistry Coordinator of Plant and Facility activities, transfer Chemistry Coordinator badge, and review logs
2. INFORM Emergency Coordinator of turnover.
3. INFORM Technical Assessment Coordinator of turnover.
4. RECORD time turnover complete. _____
5. LOG turnover.
6. INITIATE new checklist using copy of this procedure (*EIP-ZZ-00240 Addendum G, Chemistry Coordinator Checklist*).

-END OF SECTION-**EVENT CLOSEOUT/RECOVERY**

1. Until directed otherwise by the EC or Recovery Manager, CONTINUE Chemistry activities.

-END OF SECTION-**TERMINATION and SHUTDOWN**

1. WHEN directed, ASSIST with TSC deactivation.
2. ENSURE Chemistry work area is deactivated and/or stored.
3. CLIP Chemistry Coordinator badge to Chemistry Coordinator packet.
4. COLLECT documents and GIVE to Administrative Coordinator or Emergency Preparedness Staff.

-END OF SECTION-