

RPR 50C – Evaluation of Subcritical Assembly Operations

Authorized User: _____

Permit #: 72

Building: Lillibridge Engineering

Room(s): SCA

#	Evaluation of Sub-Critical Assembly Operations	Yes	No	NA
1	Was the operation approved by the reactor administrator?			
2	Did personnel wear Ta dosimeters and visitors wear pencil dosimeters as specified in the subcritical assembly procedure?			
3	Were fuel plates were handled with gloves?			
4	Was at least one qualified SCA operator and one certified observer present?			
5	Was the rigging equipment inspected and the inspection recorded in the SCA log?			
6	Were instruments source checked per RS-24, Instrument Response Checks?			
7	Was radiation safety monitoring equipment recorded in the project log (make, model, serial, calibration due date) for neutron meter, ion chamber, alpha contamination monitor, and GM frisker?			
8	Was the neutron source signed out on appropriate source sign out sheet in accordance with Procedure RS-23, Radioactive Material Sign Out?			
9	Was the source handled in accordance with Administrative Procedure # 5, Reactor Significant Source Handling?			
10	Was the experiment recorded in the logbook?			
11a	For each set of fuel added to the SCA: Were fuel elements signed out on the double barrier log?			
11b	For each set of fuel added to the SCA: Were gamma and neutron dose rate measurements performed on the SCA tank and recorded in the SCA logbook?			
11c	For each set of fuel added to the SCA: Were gamma exposure rates measured on the raised fuel assembly?			
12	Was the experiment ending recorded in the SCA logbook?			
13	Was the source signed in on the source sign out sheet?			
14	Was a leak test performed and recorded on the SCA leak test survey form for ten percent of the fuel plates used?			
15	Was a map survey performed in accordance with Procedure RS-03, Radiological Surveys?			
16	Was a water sample collected and results attached to the map survey?			
17	Were all fuel plates signed in to the cabinet on the double barrier log.			

RPR 50C – Evaluation of Subcritical Assembly Operations

Item #	Comments

General Comments

Performed By: _____

Date: _____