

This committee was established to study issues that involve nuclear materials (uranium and plutonium) that have an impact on present or future SRS activities, including used nuclear fuel program activities, nuclear materials management, and nuclear materials integration.

Committee also addresses the consolidation, storage and disposition issues related to legacy materials (once part of nuclear weapons production cycle) that are no longer needed for their original purpose but are not considered waste.

Current NM efforts especially focus on H-Canyon/HB Line and L Basin programs.

# NUCLEAR MATERIALS COMMITTEE





# NM Committee Members

- Dr. Rose Hayes, Chair
- John Snedeker, Vice Chair
- Ed Burke
- Stan Howard
- Travis Johnson



# Recommendations

## 271 Disposition program for plutonium.

Program now tied up with NEPA process and the BRC recommendations.

## 276 Concern for Effective Utilization of H Canyon

Recommended that H Canyon remain fully operational, the CAB receive costs and impacts of running H Canyon fully operational vs. warm standby, issues to be encountered if on warm standby, and identify SRS inventory of materials that would fit into the H Canyon processing window, etc.



# Recommendations cont'd

## 280 Concern for Receipt and Planning for Disposition of Research Reactor Spent Nuclear Fuel (RRSNF) @ SRS.

11/16/11 Response from Dr. Moody, SRS Mgr indicating that DOE is evaluating options for effective utilization of H-Canyon in regards to overall mission requirements of DOE. No decision on H-Canyon operation status has been made at this time.

RRSNF safely stored in L Basin (available for 50+ more years). Continued receipt at L Basin supports nonproliferation throughout World.

President evaluation disposition via BRC. Realistic planning case must await final report. Shares concern for integration plan to provide a “holistic view” of process.



## Recommendations (cont'd)

### 281 Disposition Costs for SRS RRSNF 12/1/2-11 Response from Dr. Moody, Mgr., SRS.

There is currently no final repository for RRSNF or vitrified HLW glass logs. “Since it is not known what the final repository will be and the specifications for that facility it would be difficult to prepare the disposition cost cases suggested in your recommendation”.

“Due to the uncertainties in H-Canyon future missions, the allocation of costs for processing the SNF cannot be determined at this time.

However, we can provide the costs associated with SNF storage in L-Basin. This cost is currently \$40 million per year and would be required every year that SNF was stored in the basin”.



# Recommendations cont'd

282 Impact of Blue Ribbon Commission Recommendations on Savannah River Site Programs.

12/1/11 Response from Dr. Moody, SRS Mgr.

“As soon as possible after the report has been issued and evaluated by the Department for impacts, a briefing to the CAB will be made.”