

# **SRS Basins Report**

Layne Pincock

May 2017



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**<http://www.inl.gov>**

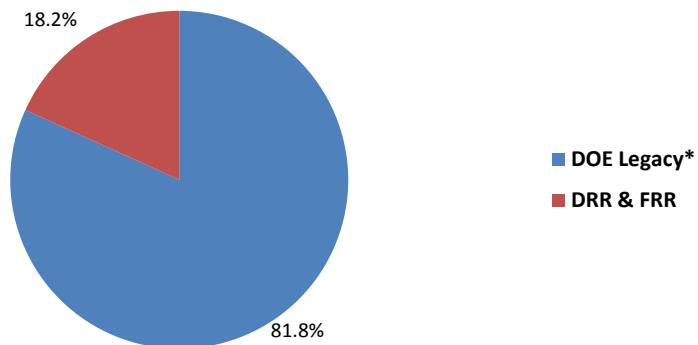
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## Breakdown of spent fuel in SRS Basins

| 2011        | MTHM | # of Assemblies/Items | Volume (m <sup>3</sup> ) |
|-------------|------|-----------------------|--------------------------|
| DOE Legacy* | 24.1 | 4,745                 | 34.9                     |
| DRR & FRR   | 5.37 | 9,403                 | 42.6                     |

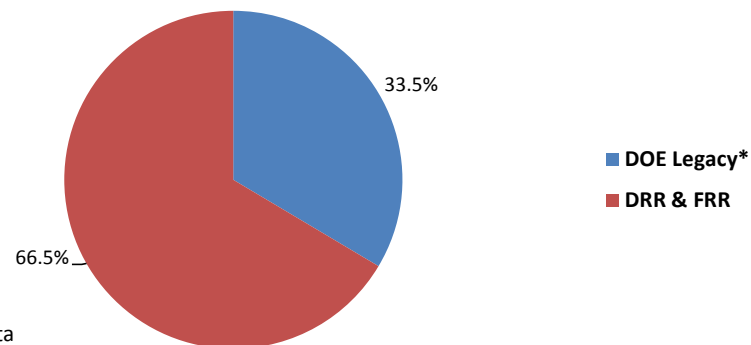
| 2011        | MTHM  | # of Assemblies/Items | Volume |
|-------------|-------|-----------------------|--------|
| DOE Legacy* | 81.8% | 33.5%                 | 45.1%  |
| DRR & FRR   | 18.2% | 66.5%                 | 54.9%  |

**MTHM**



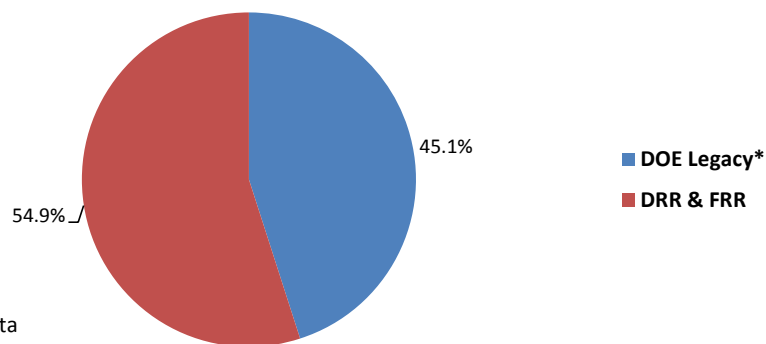
2011 Data  
from SFD

**# of Assemblies/Items**



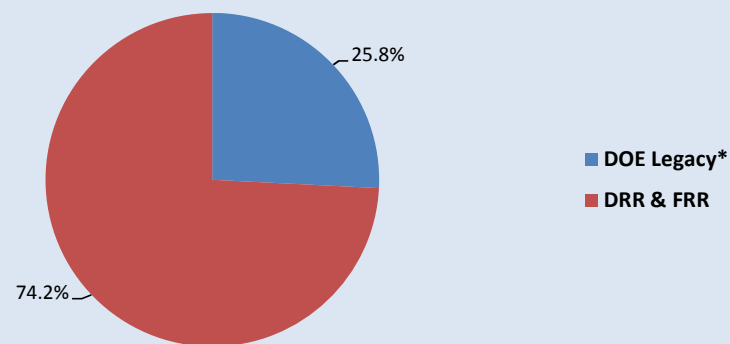
2011 Data  
from SFD

**Volume**



2011 Data  
from SFD

**# of Assemblies/Items**



2011 Data from SFD plus forecasted DRR & FRR Receipts thru 2017\*\*

\*DOE Legacy consists of DOE research fuels , defense related fuels, commercial fuels in DOE custody, and other non-aluminum fuels

\*\*Based on presentation given by Dawn Gillas, Used Nuclear Fuel Program Manager, DOE-SR, July 2011

Note: Assemblies/Items refers to fuel units in the Spent Fuel Database (SFD). Fuel units could be assemblies, rods, elements, canisters, bundles, or plates.

**2017 Estimate # of Assemblies/Items**

|             |       |
|-------------|-------|
| DOE Legacy* | 25.8% |
| DRR & FRR   | 74.2% |