



DEPARTMENT OF ENVIRONMENTAL QUALITY: RADIATION CONTROL

NATURAL RESOURCES, AGRICULTURE, & ENVIRONMENTAL QUALITY APPROPRIATIONS SUBCOMMITTEE
STAFF: IVAN DJAMBOV & ANGELA OH

BUDGET BRIEF

SUMMARY

The mission of the Division of Radiation Control (DRC) is to protect Utah citizens and the environment from sources of radiation that constitute a significant health hazard. DRC is divided among four primary areas:

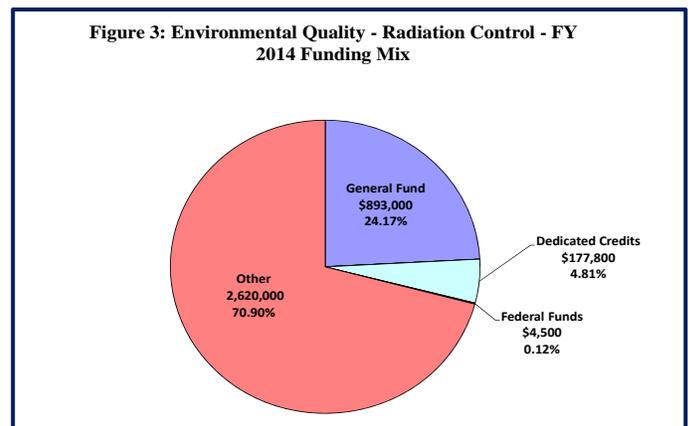
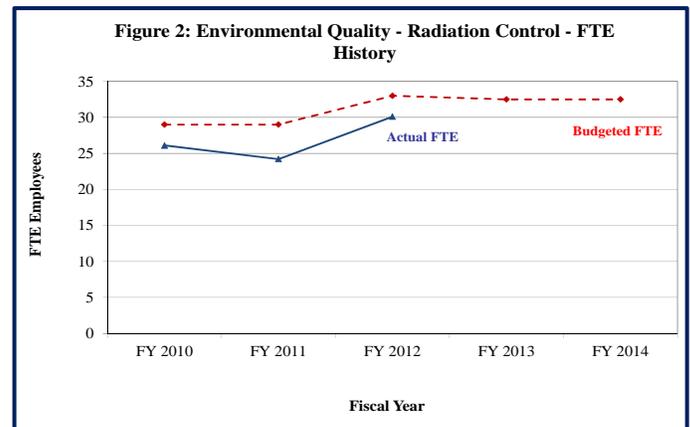
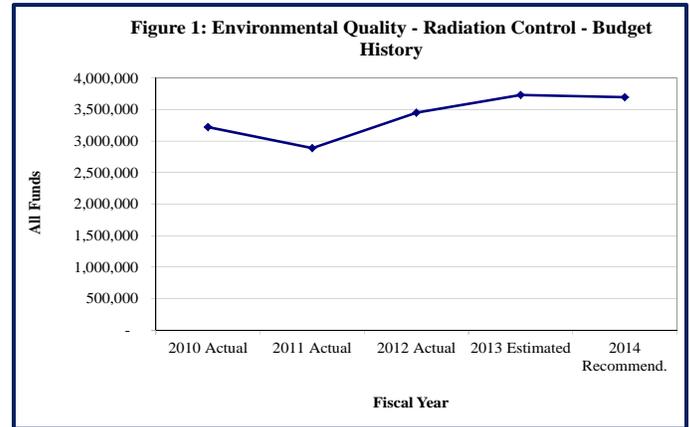
1. Radioactive Materials;
2. X-ray;
3. Low-level Radioactive Waste (LLRW) and Uranium Mills: Licensing/Permitting; and
4. LLRW and Uranium Mills: Compliance.

Key services that DRC provides are licensing/permitting at LLRW facilities, uranium mill tailing operations; registration of x-ray equipment; inspection/monitoring of LLRW facilities, uranium mill tailing operations, x-ray equipment, and radioactive material; and indoor radon awareness and exposure mitigation.

ISSUES AND RECOMMENDATIONS

Audit: The Legislative Auditor General performed a performance audit of DRC in 2012. The following recommendations were made:

1. We recommend that DRC improve predisposal controls that will validate bulk waste streams prior to disposal by implementing one or more of the following:
 - a. Maintain a visible presence;
 - b. Implement a visible presence;
 - c. Retain all sampling duties by conducting statistically valid random sampling of incoming waste.
2. We recommend that the as a condition to access Utah's disposal site, the DRC require containerized waste generators to grant the DRC full authority to review all on-site operations and conduct on-site sampling of waste before shipment in order to validate waste classification, when the need is determined by DRC.



3. We recommend that the DRC present to the Radiation Control Board the need to change its Generator Site Access Permit (GSAP) program to require testing by the DRC of a random sample of containerized waste to verify the classification of the waste at some of the generators' facilities before shipment to Utah.
4. We recommend that the DRC review staff time allocation to ensure the amount of predisposal oversight is adequate to address waste classification risks with respect to Utah's law prohibiting Class B and C waste.
5. We recommend that the DRC expand its Department of Transportation inspections of waste shipments, on a random sample basis, to include all days and times EnergySolutions may receive waste shipments.
6. We recommend that the DRC have better reporting requirements to determine if foreign waste is entering the state.
7. We recommend that the Legislature consider if greater governmental audit access should be granted as a condition of EnergySolutions' license agreement with the State of Utah.
8. We recommend that the Legislature, DEQ, and the DRC review the current use of GSAP revenues to determine an appropriate program allocation to ensure adequate generator waste shipment and predisposal oversight.

DRC is addressing the various report recommendations by implementing the following to enhance independent validation and verification of incoming waste shipments:

- Increase frequency of observation of waste sampling and analysis.
- Increase frequency of oversight through additional waste classification reviews.
- Validate waste classification through computational methods and additional testing.
- Continue longstanding approach of daily presence during waste acceptance operations.
- Apply statistically valid approach for oversight of DOT shipping requirements.
- Evaluate the use of customized software programs to confirm the accuracy of waste classification data on waste manifests.
- Benchmark review of other states' point-of-origin inspection procedures.
- Finalize analysis on frequency of and protocols for point-of-origin inspections (Implementation Schedule).
- Begin early rule development for Generator Site Access Program.
- Engage health physics experts to develop independent recommendations.
- Work with Northwest Interstate Compact (NWIC) on possible ways to improve reporting.
- Perform analysis of need for rule/potential Compact resolution.

Base Budget: The total FY 2013 appropriated budget for DRC was \$3,853,800. Using the FY 2013 ongoing appropriation as the beginning point for the FY 2014 base budget, with changes in federal funds (\$111,600); dedicated credits revenue (\$58,200); and transfers \$11,300; the base budget for the DRC line item for FY 2014 is \$3,695,300.

The Analyst recommends the Legislature consider adopting the base budget of \$3,695,300 with \$893,000 from the General Fund.

Should additional funds be allocated, the Analyst recommends that the subcommittee forward to the Executive Appropriations Committee for its consideration, an increase of \$50,000 one-time from the General Fund for DRC's Indoor Radon Program.

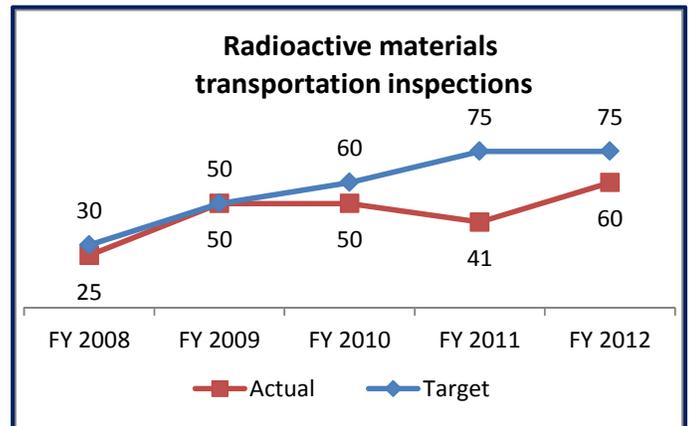
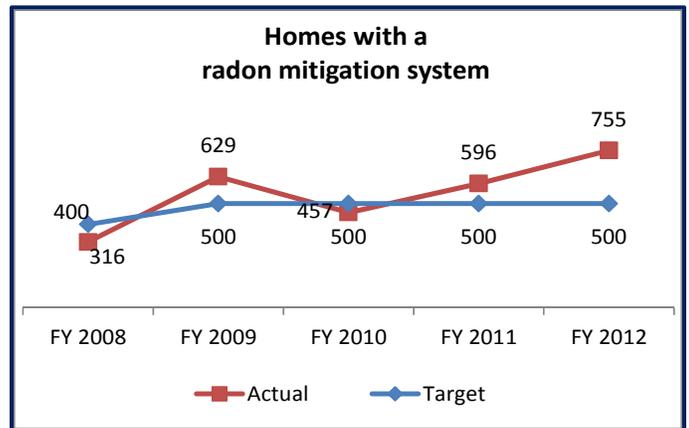
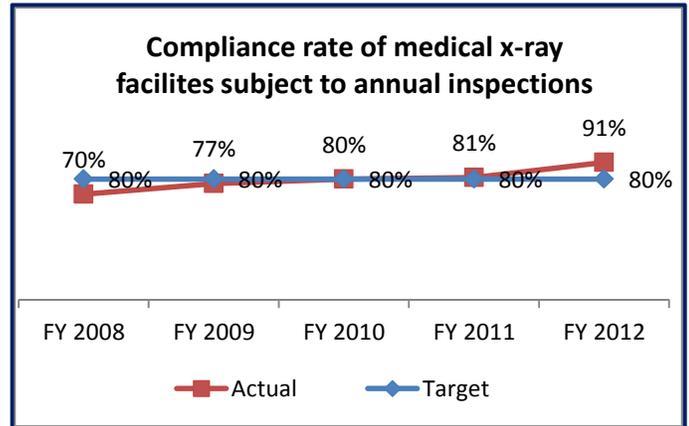
ACCOUNTABILITY

High level performance measures for DRC include the following:

DRC performs on-site inspections regarding radiation safety in the use and performance of x-ray units. DRC ensures and maintains radiation safety to workers, patients, and the public. The first figure to the right shows the compliance rate of medical x-ray facilities subject to annual inspections.

DRC measures the number of homes mitigated or fixed regarding indoor radon concentrations through testing and mitigation service providers in the state. The goal is to get as many homeowners in the state as possible to test and fix their home if there are high levels of radon.

DRC inspects incoming waste shipments regarding Class 7 Radioactive material transportation requirements at the EnergySolutions Clive facility. The third figure to the right measures the number of shipments that arrive to the facility versus how many are inspected by staff (based on DOT requirements).



BUDGET TABLE DETAIL

Environmental Quality - Radiation Control						
Sources of Finance	FY 2012 Actual	FY 2013 Appropriated	Changes	FY 2013 Revised	Changes	FY 2014* Recommended
General Fund	879,600	893,000	0	893,000	0	893,000
Federal Funds	81,400	116,100	(76,600)	39,500	(35,000)	4,500
Dedicated Credits Revenue	525,800	236,000	(58,200)	177,800	0	177,800
GFR - Environmental Quality	2,585,900	2,627,400	0	2,627,400	0	2,627,400
Transfers - Within Agency	(12,900)	(18,700)	11,300	(7,400)	0	(7,400)
Lapsing Balance	(609,700)	0	0	0	0	0
Total	\$3,450,100	\$3,853,800	(\$123,500)	\$3,730,300	(\$35,000)	\$3,695,300
Programs						
Radiation Control	3,450,100	3,853,800	(123,500)	3,730,300	(35,000)	3,695,300
Total	\$3,450,100	\$3,853,800	(\$123,500)	\$3,730,300	(\$35,000)	\$3,695,300
Categories of Expenditure						
Personnel Services	2,267,700	2,935,600	(23,000)	2,912,600	0	2,912,600
In-state Travel	10,900	36,600	(2,100)	34,500	(400)	34,100
Out-of-state Travel	15,700	15,900	29,300	45,200	(4,300)	40,900
Current Expense	652,900	678,200	(94,100)	584,100	(21,000)	563,100
DP Current Expense	112,300	178,500	(26,200)	152,300	(300)	152,000
Other Charges/Pass Thru	6,800	9,000	0	9,000	(9,000)	0
Cost Accounts	383,800	0	(7,400)	(7,400)	0	(7,400)
Total	\$3,450,100	\$3,853,800	(\$123,500)	\$3,730,300	(\$35,000)	\$3,695,300
Other Data						
Budgeted FTE	33	29	4	33	0	33
Actual FTE	30	0	0	0	0	0
Vehicles	3	2	1	3	(1)	2

*Does not include amounts in excess of subcommittee's state fund allocation that may be recommended by the Fiscal Analyst.