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DEPARTMENT OF
HEALTH AND HUMAN SERVICES
Division of Public and Behavioral Health
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Administrator

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Chief Medical Officer

February 23, 2021

MEMORANDUM

To: Beatty File

From: Haley Brown, Radiation Control Specialist

Subject: Beatty Inspection Summary February 23, 2021

An inspection of the Beatty Low-Level Radioactive Waste landfill (closed) was conducted on February 23, 2021 by Haley Brown and John Follette. An additional 631,880 cubic yards of soil has been placed on the cap to substantially increase the overall thickness of cover soil, increase the mass buffer and mitigate poor drainage. The site has been properly secured with an outside perimeter fence which has been placed on the western and southern sides of the site. An interior boundary has been established near the area surrounding the low-level waste burial site. Caution Radioactive Materials signs have been added to this boundary to clearly mark the location of the low-level radioactive waste area. The radiological survey was performed by driving the BNC Model SAMpack-120 (BSN 120068) backpack around the site boundary access road and walking in a pattern across the cap to detect radiological anomalies. None were detected. Dose rate readings on the cap remain about twice background*, as measured in the background location.

Status of Previous Inspection Items:

The markers for the trenches are not in place on the cap. They are still stacked off to the side of the cap, near the southwest corner.

Site Observations:

Rain Since Last Inspection:

November – 0.19”, December – 0.16”, January – 0.43”, and February – 0.00”.

Radiation Survey Results:

Instrument: BNC Model SAMpack-120 (BSN 120068) Calibration date: Daily by self-calibration

Background Location: Between US 95 and the site, at the south-east side of the site entrance gate.

Background measurement: 10 – 17 urem/hr

Value used for twice background: 34 urem/hr

West Side Site Boundary Highest Measurement: Within twice background*

*If sustained radiation measurements are above twice background, record the measurement and identify the location. Otherwise, indicate all measurements were within twice background.

For any reading above 0.5 mrem/hr contact a supervisor or the State of Nevada Radiation Control Program Manager. (Site Stabilization and Closure Plan Closure Plan for Low-Level Radioactive Waste Management Facility US Ecology, Inc. Beatty, Nevada, submittal date December 1988.)

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