

**Lake Powell Pipeline Project
FERC Request for Clarification Schedule A – Item 8**

Exhibit E

Aesthetic Resources

- 8. The protection, mitigation, and enhancement measures listed in section 5.3.18.3 of exhibit E are not consistent with the measures described in Final Study Report 7, Noise. Please clarify the measures you propose for noise control.**

UBWR Response:

BMPs would be required for all construction activities to control noise. This would include working with potentially affected residents and land management agencies to minimize noise impacts on local receptors using sound barriers, engine mufflers, restricted work hours where needed, and field monitoring of noise levels generated from construction. Construction occurring within 150 feet of any human receptors would be mitigated with noise barriers. Notification to residents or visitors would be provided to help receptors prepare for the construction noise. In addition, BMPs for transmission line construction would include specifying the type of helicopter used during transmission line tower construction and notifying local residents and land management agencies of expected timing and flight patterns. Reasonable efforts would be made to establish flight routes that minimize noise disturbance on sensitive receptors. Noise levels that unexpectedly exceed calculated noise levels would be reviewed during construction and mitigated as possible. All construction activities would incorporate hearing protection for workers as required by OSHA.

Peak, maximum and average temporary noise levels for people working inside the Kaibab Band of Paiute Indians tribal headquarters would be attenuated by the building and would be less than 90 dBA inside the building. Construction activities that would be performed near the Pipe Spring/tribal headquarters area include clearing and grubbing/earthwork (peak noise level ≤ 99 dBA, unsustained; average noise level ≤ 88 dBA) and penstock installation (peak noise level ≤ 92 dBA, unsustained; average noise level ≤ 85 dBA). Clearing and grubbing/earthwork would last less than two hours near the gas station/convenience store and the parking lot surrounding the tribal headquarters. The maximum noise levels at the gas station/convenience store would be less than 99 dBA during clearing and grubbing/earthwork, and potential exposure would be lower than the OSHA limits described in Table 4-2 (Study Report 7). Peak construction (temporary) noise levels at Pipe Spring National Monument would be decayed from the source to about 72 dBA over the 1,090 feet distance. Average temporary construction noise levels at Pipe Spring National Monument would be decayed from the source to about 58 dBA over the 1,090 feet distance. No special mitigation measures (other than typical construction safety measures) were requested by the Kaibab Band of Paiute Indians, however, notification and education on noise avoidance during the short period of construction would be provided to residents and visitors.

Noise generated by pump motors and pumps in pumping stations and turbines in hydroelectric generating stations during operation would be controlled by acoustic baffling inside the buildings. Noise levels outside the generator buildings would be reduced and decayed to background levels at the pump station and hydro station perimeter fences.