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RB INYOKERN DATA CENTER

Application for Small Power Plant Exemption (SPPE)

Inyokern, Kern County, California

Docket Number – 26-SPPE-01

Appendix A Supplement - Section A.3 Generator Data and Specifications

QUINN Power Systems
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October 20, 2026

Kyle Mohr
R&L Capital, Inc.

Re: RB Inyokern Data Center — Caterpillar 3516E / Johnson Matthey model cSCRT Exhaust Confirmation

Kyle,

At your request, Quinn Company, as the authorized Caterpillar dealer, provides the following preliminary exhaust and SCR parameters for the Caterpillar 3516E 3 MW generator sets proposed for the RB Inyokern Data Center. These values are based on current equipment data and are subject to final confirmation upon completion of the enclosure vendor drawings.

1. **Exhaust exit diameter:** The Tier 4 compliant unit Johnson Matthey model cSCRT exhaust exits to atmosphere at 30 inches, consistent with the outlet shown on Johnson Matthey Drawing No. 202-C0039989 Rev B. No stack, reducer, or rain cap downstream of the cSCRT changes this diameter.

2. **Exhaust flow and temperature (per unit, 100% load):** approximately 23,971 acfm at approximately 903 °F.

3. **Exhaust release height:** approximately 26 feet above grade without the fuel base tank, and at least 350 inches (approximately 29 feet) with the fuel base tank. Final height to be confirmed upon completion of the enclosure vendor drawings.

4. **SCR warm-up:** The SCR system is expected to achieve Tier 4 Final emission performance approximately 15 to 30 minutes after startup under load. The actual duration may vary depending on ambient temperature and operating conditions.

5. **Urea dosing:** Urea injection begins at an exhaust temperature of approximately 600°F. The SCR system is expected to achieve Tier 4 Final emission performance once the required operating conditions are met.

6. **Configuration:** The Johnson Matthey model cSCRT configuration shown in Drawing No. 202-C0039989 Rev B applies to the RB Inyokern Data Center generator set.

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Please contact me if you have any questions or require additional information.



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Application Engineer
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