

St. Lucie SLRA: Breakout Questions

SLRA Section: B.2.3.18 Fuel Oil Chemistry

TRP: XI. M30 Fuel Oil Chemistry

Note: Breakout Questions are provided to the applicant and will be incorporated into the publicly-available audit report.

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| Technical Reviewer | Lydiana Alvarado | 01/12/2022 |
| Technical Branch Chief | Steven Bloom | 01/12/2022 |
| Breakout Session | <i>Date/Time</i> | <i>To be filled in by PM</i> |

| Applicant Staff | NRC staff |
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| Question Number | SLRA Section | SLRA Page | Background / Issue (As applicable/needed) | Discussion Question / Request | Outcome of Discussion |
|-----------------|---|-------------------|--|---|-----------------------|
| 1 | SLRA - Appendix B Section B.2.3.18 XI. M30 Fuel Oil Chemistry | SLRA - Page B-163 | SLRA Exception #2: Multilevel sampling or sampling from the lowest point is not used specified in Element 4 of the NUREG-2191, XI.M30. As an alternate to the GALL-SLR Element 4 requirements, the DOSTs are placed on recirculation for 30-minutes prior to sampling. The periodic recirculation of fuel oil also achieves filtering, reducing need for fuel treatments and additives by preventing contaminant build-up. | Why is “conditioning the sample,” before taking a sample acceptable? The staff is concerned that under normal conditions, when no recirculation is occurring, water may collect at the bottom of the tank(s). Without a true bottom sample, how is settled water, identified, and mitigated? How is the integrity of the tank bottom ensured? | |