Assessment of the DNR Response To Data Practices Request

(Black colored text indicate the originally requested materials, red colored text indicates WLA assessment of missing information and blue colored text indicates Barr Engineering comments.)

1. **Underlying hydrologic and hydraulic models, calculations, inputs, and outputs**
   We received the April 2025 Design Report with summarized HEC-RAS results and rating-curve information.

   Still missing: the actual HEC-RAS model files, geometry, inputs, outputs, boundary conditions, calibration data, assumptions, sensitivity analyses, and supporting calculations.

   We currently have the model and can determine geometry, inputs, outputs, boundary conditions, assumptions. I doubt there is calibration data, sensitivity analyses, or supporting calculations. I believe we can do without that for the time being.

2. **Pre-project and proposed-project hydraulic comparisons**
   We received a limited comparison of existing and proposed stages at modeled flows.

   Still missing: complete hydraulic comparisons, especially at low-flow conditions and lake elevations near the runout; full discharge/conveyance comparisons; underlying calculations and complete rating-curve data.

   We can determine what their model shows for low flows given that we have the HEC-RAS model.

3. **Design plans and revisions**
   We received preliminary plans, signed plans/specifications, and record drawings.
   Still missing: complete revision history and documentation of changes made during construction, including revisions related to the sanitary sewer and any corresponding DNR review or approval.

   Missing information noted. I think we can make significant progress without it for now.

4. **Construction and as-built information**
   We received the Final Construction Report, record drawings, weekly construction summaries, and photographs.
   Still missing: complete contractor files, submittals, daily/inspection records, measurements of lake levels, pay applications, field documentation, and supporting change documentation.

   Missing information noted. I think we can make significant progress without it for now.

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5. **Survey source data, field notes, benchmarks, and datum information**
   We received several survey documents, including the 2023 survey data, 2025 survey, and 2026 crest survey.

   Still missing: complete raw survey data, field notes/books, benchmark records, survey-control information, datum conversion calculations, and verification/reconciliation records.

   The records we have now show that limited information was relied upon. This provides reason to review closely and request changes to better match pre-project conditions.

6. **Underlying 1978 and 2023 survey materials**
   We received the 1978 survey and 2023 survey spreadsheet, along with some other historical surveys.

   Still missing: complete supporting files, field notes, calculations, benchmark information, correspondence, and analysis explaining how the historical runout elevation was established and verified.

   This is an item to cover carefully in the 10/14 meeting.

7. **Available flow, discharge, stage-discharge, and monitoring information**
   We received modeled rating-curve information from the design report.

   Still missing: actual measured flow/discharge data, complete stage-discharge datasets, post-construction flow monitoring, raw calibration data, and lake-level monitoring tied directly to outlet flow. The Dam Safety checklist itself states "Instrumentation/Monitoring: None."

   We do want any flow measurement records – another item to cover the 10/14 meeting.

8. **Construction inspection records, change orders, and field adjustments**
   We received some weekly construction summaries and information in the Final Construction Report.

   Still missing: Change Order No. 1 itself, field directives, field-adjustment records, approval communications, and complete documentation of construction-stage changes.

   Missing information noted and something to list in the 10/14 meeting.

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9. **Records supporting the reported pre-project beaver obstruction**
   We received an October 2025 photo and references to an approximately one-foot beaver dam.

   Still missing: records showing when the obstruction appeared, how long it existed, its exact elevation and dimensions, its hydraulic effect, and whether it represented normal pre-project outlet conditions or a temporary condition.

   The beaver dam as I understand it from my 10/9 conversation with Erik Jones at Houston was a temporary condition that was to be removed. It makes sense to ask if it was included in the pre-project survey we were provided with – something to cover in the 10/14 meeting.

10. **Records concerning the reported upstream channel high point**
    We received an email stating that the runout was surveyed and matched the historic high point, along with related surveys.

    Still missing: the underlying field measurements and point data identifying the high point, methodology for selecting it as the controlling runout, supporting survey notes, and reconciliation with prior surveys and the former concrete structure.

    A discussion of the pre-project survey is a key part of the 10/14 agenda.

11. **Materials underlying DNR's post-construction verification**
    We received the Final Construction Report, record drawings, crest survey, photographs, and some correspondence.

    Still missing: hydraulic verification of the completed structure, actual discharge testing, seepage/subsurface-flow evaluation, confirmation that the as-built structure performs as modeled, and post-construction lake-level/outflow monitoring.

    It is my understanding that if the outlet is configured to match pre-project conditions it will perform the same. This is something we will be reviewing carefully.