

(NuclearIQ® version 1.0.2.4 and 1.0.2.5)

Discharge Monitoring Report (DMR) Summary

This report uses the AnalysisID numbers within NuclearIQ® to return the summary of results for a given time frame. Download the report from the NuclearIQ® website and save to the Reports directory.

In order to run the report, the report grid needs to be setup as shown. (see report setup section below for guidance on how to get the AnalysisID numbers necessary for this report)

| Table | Field | Comparison | Show List Of Values | Criteria | And/Or | Asc/Desc | Hide From User |
|----------|----------------|------------|--------------------------|---|--------|----------|--------------------------|
| ValueTbl | AnalysisID | IN | <input type="checkbox"/> | 16830,16898,16903,16896,16870,16871,... | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | >= | <input type="checkbox"/> | 04/01/2013 00:00 | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | <= | <input type="checkbox"/> | 04/30/2013 23:59 | OR | | <input type="checkbox"/> |
| ValueTbl | AnalysisID | IN | <input type="checkbox"/> | 16917,16614,16845,16615,17445,17446,... | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | >= | <input type="checkbox"/> | 04/01/2013 00:00 | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | <= | <input type="checkbox"/> | 04/30/2013 23:59 | | | <input type="checkbox"/> |

The values are returned from the CustomReporting.ValueTbl based on the AnalysisID numbers and the Date Range Used. The AnalysisID numbers are ordered Ascending so the report will display a summary, similar to the one shown.

DMR Data Summary

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Report Start Date: 04/01/2013 00:00
Report End Date: 04/30/2013 23:59

| System Name | Last Sample Date/Time | Analysis Name | Average Value | Min Value | Max Value | Limit Exceeded | Result Count |
|-----------------------|-----------------------|-------------------|---------------|-----------|-----------|-------------------------------------|--------------|
| Discharge Canal | 04/30/13 20:30 | Chlorine | 0.06 | 0.02 | 0.09 | <input type="checkbox"/> | 60 |
| | 04/30/13 08:35 | pH | 8.15 | 8.00 | 8.26 | <input type="checkbox"/> | 30 |
| RO Reject | 04/30/13 10:13 | pH | 8.22 | 8.18 | 8.23 | <input type="checkbox"/> | 4 |
| | 04/11/13 08:36 | TSS | < 0.10 | | | <input type="checkbox"/> | 1 |
| MUD Clarifier | 04/24/13 08:03 | TSS | 0.20 | < 0.1 | 0.8 | <input type="checkbox"/> | 4 |
| MUD Anthracite Filter | 04/24/13 08:20 | TSS | 6.93 | 3.1 | 12.1 | <input type="checkbox"/> | 4 |
| Discharge Canal | 04/11/13 08:42 | Oil + Grease | < 5.1 | | | <input type="checkbox"/> | 1 |
| ABOSP | 04/25/13 08:04 | pH | 7.45 | | | <input type="checkbox"/> | 1 |
| STP Effluent | 04/11/13 10:40 | fecal | <10 | | | <input type="checkbox"/> | 1 |
| | 04/11/13 10:40 | BOD | < 4.0 | | | <input type="checkbox"/> | 1 |
| | 04/11/13 10:40 | pH | 7.36 | | | <input type="checkbox"/> | 1 |
| | 04/29/13 14:50 | TSS | 13.94 | < 4.1 | 56.0 | <input checked="" type="checkbox"/> | 5 |
| | 04/11/13 10:40 | Settleable Solids | < 0.1 | | | <input type="checkbox"/> | 1 |



Note that the date range is displayed at the top of the report to show the user what data has been summed.

Report Setup:

In order to determine the AnalysisID numbers needed for this report, use the Quick Report feature within NuclearIQ®. There is a video on the NuclearIQ® website that explains how to use Quick Reports if you are unfamiliar with its use.

Setup the Quick Report grid as shown below to get a summary of the AnalysisID numbers for the Site/Unit you're interested in.

NuclearIQ64 v: 1.0.2.6, Database= NuclearIQ_Entergy_Prod, Current User: jschulj - [Report Criteria] Unit: 1

Test Trend Admin Message Schedules Reports GeoData Help

Select A Report: Quick Report Report Title: AnalysisID List for JAF

Report File Name (.rpx): Report Sub Title: Add All Fields

Distinct Landscape Show Designer

Create Report File Export To Excel Show SQL Print

| Table | Field | Comparison | Show List Of Values | Criteria | (And/Or) | Asc/Desc |
|-------------------|------------------|-------------|--------------------------|----------|------------|----------|
| MaxValueDataEntry | SiteAbbreviation | = | <input type="checkbox"/> | JAF | AND | |
| MaxValueDataEntry | UnitNumber | = | <input type="checkbox"/> | 1 | AND | |
| MaxValueDataEntry | SystemName | IS NOT NULL | <input type="checkbox"/> | NULL | AND | ASC |
| MaxValueDataEntry | AnalysisName | IS NOT NULL | <input type="checkbox"/> | NULL | AND | ASC |
| MaxValueDataEntry | AnalysisID | <> | <input type="checkbox"/> | 0 | | |

Top Up Down Bottom

AnalysisID Summary

| SiteAbbreviation | UnitNumber | SystemName | AnalysisName | AnalysisID |
|------------------|------------|----------------------|--------------|------------|
| JAF | 1 | ABOSP | Oil + Grease | 16870 |
| JAF | 1 | ABOSP | pH | 16871 |
| JAF | 1 | ABOSP | SS | 16872 |
| JAF | 1 | Adams Strainer | SS | 16860 |
| JAF | 1 | Aux. Boiler Fuel Oil | 87FM-100A | 18168 |
| JAF | 1 | Aux. Boiler Fuel Oil | 87FM-100B | 18169 |
| JAF | 1 | Aux. Boiler Fuel Oil | Sample ID | 16965 |
| JAF | 1 | Aux. Boiler Fuel Oil | Shipped | 16968 |
| JAF | 1 | Aux. Boiler Fuel Oil | SS | 19082 |

Using this list, determine the AnalysisIDs associated with the system/analysis you want the DMR Summary report to return.

Enter the AnalysisID numbers into the DMR Summary report grid. The Criteria box only accepts 100 characters total (this has been increased to 1000 characters in version 1.0.2.6). If the AnalysisID string (i.e. 16830,16870,16871,16872 etc.) exceeds 100 total characters then a second AnalysisID / SampleDateTime set is added to the grid.

NuclearIQ64 v: 1.0.2.5, Database= NuclearIQ_Entergy_Test, Current User: jschulj - [Report Criteria]

Unit: 1

Select A Report: JAF_DMR

Report File Name (.rpx): DMR Data Summary.rpx

| Table | Field | (Comparison | Show List Of Values | Criteria |) And/Or | Asc/Desc | Hide From User |
|----------|----------------|--------------|--------------------------|---|----------|----------|--------------------------|
| ValueTbl | AnalysisID | IN | <input type="checkbox"/> | 16830,16898,16903,16896,16870,16871,... | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | <= | <input type="checkbox"/> | 16917,16614,16845,16615,17445,17446,17447,16832,16809,16820,18683 | OR | | <input type="checkbox"/> |
| ValueTbl | AnalysisID | IN | <input type="checkbox"/> | 16918,16917,16614,16845,16615,17445,... | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | >= | <input type="checkbox"/> | 04/01/2013 00:00 | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | <= | <input type="checkbox"/> | 04/30/2013 23:59 | | | <input type="checkbox"/> |

The first set is separated from the second set by the use of 'OR' in the And/Or column.

NuclearIQ64 v: 1.0.2.5, Database= NuclearIQ_Entergy_Test, Current User: jschulj - [Report Criteria]

Unit: 1

Select A Report: JAF_DMR

Report File Name (.rpx): DMR Data Summary.rpx

| Table | Field | (Comparison | Show List Of Values | Criteria |) And/Or | Asc/Desc | Hide From User |
|----------|----------------|--------------|--------------------------|---|----------|----------|--------------------------|
| ValueTbl | AnalysisID | IN | <input type="checkbox"/> | 16830,16898,16903,16896,16870,16871,... | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | >= | <input type="checkbox"/> | 04/01/2013 00:00 | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | <= | <input type="checkbox"/> | 04/30/2013 23:59 | OR | | <input type="checkbox"/> |
| ValueTbl | AnalysisID | IN | <input type="checkbox"/> | 16917,16614,16845,16615,17445,17446,... | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | >= | <input type="checkbox"/> | 04/01/2013 00:00 | AND | ASC | <input type="checkbox"/> |
| ValueTbl | SampleDateTime | <= | <input type="checkbox"/> | 04/30/2013 23:59 | | | <input type="checkbox"/> |

Once the AnalysisIDs are entered into the grid, enter the Date/Time for the time frame that will be used. Note that the report requires the use of >= and <= to retrieve and display the Date/Time on the report. Hit the Print button and the report is generated.

Features Associated with the Report:

If the ASC is removed from the ASC/DESC dropdown for AnalysisIDs, the report lists the analysis as they occur in sequential order by Date/Time.

DMR Data Summary

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Report Start Date: 04/01/2013 00:00
Report End Date: 04/30/2013 23:59

| System Name | Last Sample Date/Time | Analysis Name | Average Value | Min Value | Max Value | Limit Exceeded | Result Count |
|-----------------------|-----------------------|---------------|---------------|-----------|-----------|--------------------------|--------------|
| Discharge Canal | 04/01/13 08:36 | Chlorine | 0.06 | | | <input type="checkbox"/> | 1 |
| | 04/01/13 08:36 | pH | 8.25 | | | <input type="checkbox"/> | 1 |
| EDG Oil Sep Pit | 04/01/13 09:15 | pH | 7.64 | | | <input type="checkbox"/> | 1 |
| Discharge Canal | 04/02/13 08:43 | Chlorine | 0.05 | 0.04 | 0.05 | <input type="checkbox"/> | 2 |
| | 04/02/13 08:43 | pH | 8.17 | | | <input type="checkbox"/> | 1 |
| | 04/02/13 20:32 | Chlorine | 0.04 | | | <input type="checkbox"/> | 1 |
| MUD Anthracite Filter | 04/03/13 08:36 | TSS | 3.1 | | | <input type="checkbox"/> | 1 |
| MUD Clarifier | 04/03/13 08:39 | TSS | < 0.1 | | | <input type="checkbox"/> | 1 |
| Discharge Canal | 04/03/13 08:43 | Chlorine | 0.04 | | | <input type="checkbox"/> | 1 |
| | 04/03/13 08:43 | pH | 8.11 | | | <input type="checkbox"/> | 1 |
| | 04/04/13 08:38 | Chlorine | 0.06 | 0.05 | 0.06 | <input type="checkbox"/> | 2 |
| | 04/04/13 08:38 | pH | 8.09 | | | <input type="checkbox"/> | 1 |
| RO Reject | 04/04/13 08:52 | pH | 8.23 | | | <input type="checkbox"/> | 1 |

The Summary Report lists each Analysis in the order they were entered (by Date/Time) into the Database.

Because the Date/Time are listed Ascending, the Sample Date/Time shown is associated with the last data point entered.

Discharge Canal Chlorine was entered twice between the pH values entered on 4/3 08:43 and 4/4 08:38



In the far right side of the report, the Result Count box shows how many samples are associated with the System/Analysis listed. The Limit Exceeded box, shows how many of the values exceeded a limit within NuclearIQ®. If there are no limits setup in NuclearIQ® this feature will not work.

