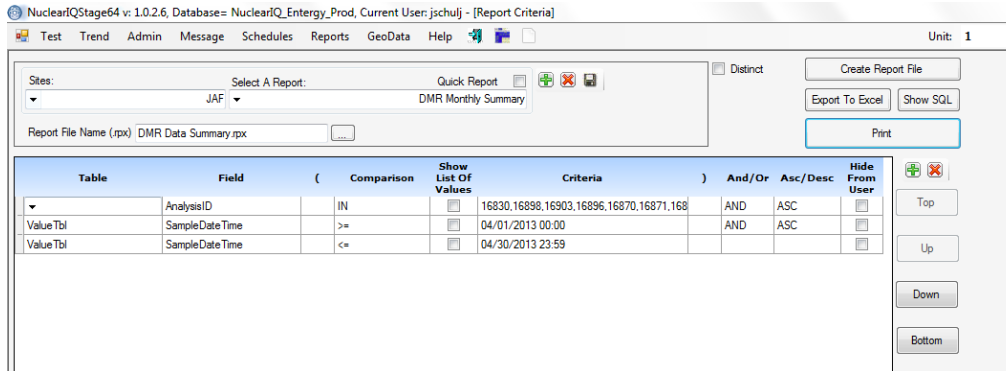


(NuclearIQ® version 1.0.2.6)

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, to get the AnalysisID numbers necessary for this report)



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

Page 1 of 2

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
MLD Clarifier	04/24/13 08:03	TSS	0.20	< 0.1	0.8	<input type="checkbox"/>	4
MLD 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.

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		

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.

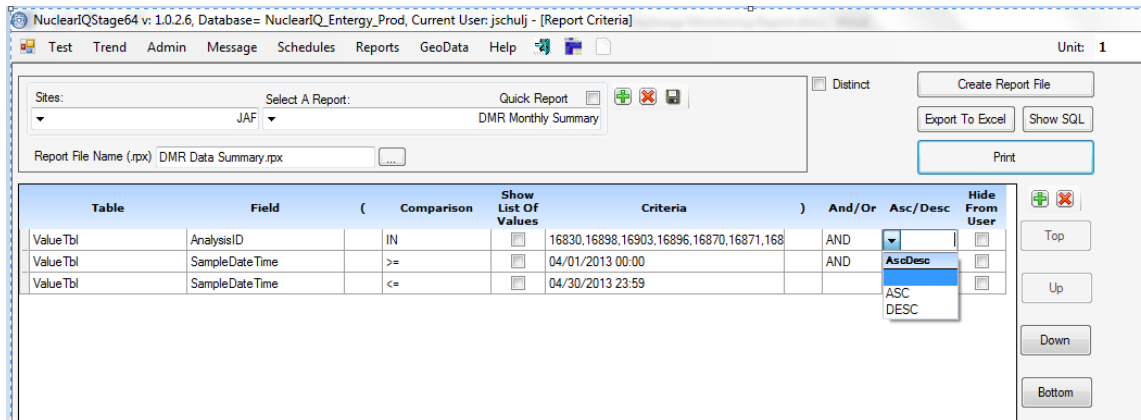
Enter the AnalysisID numbers into the DMR Summary report grid. The values are separated by a comma. (NOTE: The grid will accept up to 1000 characters total)

Field	(Comparison	Show List Of Values	Criteria) And/Or	Asc/Desc	Hide From User
AnalysisID	IN	<input type="checkbox"/>	16830,16870,16871,16872,18079,17875,178	AND	ASC	<input type="checkbox"/>
SampleDateTime	>=	<input type="checkbox"/>	16830,16870,16871,16872,18079,17875,17876,16897,16896,16899,16902,16900,16918,16917,16614,16845,16615,17445,17446,17447,16832,16809,16820,18683			
SampleDateTime	<=	<input type="checkbox"/>	05/31/2013 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

Page 1 of 8

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.

DMR Data Summary

System Name	Last Sample Date/Time	Analysis Name	Average Value	Min Value	Max Value	Limit Exceeded	Result Count
STP Effluent	04/29/13 13:30	Chlorine	0.07			<input type="checkbox"/>	1
	04/29/13 14:50	TSS	5.0			<input type="checkbox"/>	1
Discharge Canal	04/30/13 08:35	Chlorine	0.05	0.04	0.06	<input type="checkbox"/>	2
	04/30/13 08:35	pH	8.14			<input type="checkbox"/>	1
RO Reject	04/30/13 10:13	pH	005			<input type="checkbox"/>	1
Discharge Canal	04/30/13 20:30	Chlorine	0.02			<input type="checkbox"/>	1

RO Reject pH entered into the database on 4/30 10:13 as OOS. This result is ignored for Min/Max/Ave calcs.

Min/Max Values: For Analysis with more than one value, the Minimum and Maximum values for the time frame are shown. Non-numeric values entered into the database are ignored. These non-numeric values will be shown when ASC is removed from the AnalysisIDs.

Average Value: The average value is calculated by summing the total values for the time frame (Less than values **are not** added at the less than value (i.e. <0.1 is added to the sum as 0)).

In the report shown below the STP Effluent TSS results are as follows: <3.2, 56.0, <4.1, 8.7, and 5.0. The report uses a sum equal to 69.7 since <3.2 and <4.1 are added to the sum as 0. The Average = 69.7/5 = 13.94. Note that the value of 56.0 exceeded the NuclearIQ® limit of 30.

DMR Data Summary

System Name	Limit Exceeded	Result Count
Discharge Canal	<input type="checkbox"/>	60
RO Reject	<input type="checkbox"/>	30
MUD Clarifier	<input type="checkbox"/>	4
MUD Anthracite Filter	<input type="checkbox"/>	1
Discharge Canal	<input type="checkbox"/>	4
ABOSP	<input type="checkbox"/>	4
STP Effluent	<input type="checkbox"/>	1
	<input type="checkbox"/>	1
	<input type="checkbox"/>	1
	<input type="checkbox"/>	1
	<input type="checkbox"/>	1
	<input type="checkbox"/>	1
	<input checked="" type="checkbox"/>	1
	<input type="checkbox"/>	5
	<input type="checkbox"/>	1

Analysis Limits

Site: JAF Unit Number: 1 System Name: STP Effluent Test Name: TSS

System Type: _____

Effective Date Time: 11/02/2006 05:38 Limit Listing: 11/02/2006 05:38

Current Configuration:

Reactor Mode	Action Level 3	Action Level 2	Action Level 1	Target Value	Target Value	Action Level 1	Action Level 2
Mode 1			45	30			
Mode 2			45	30			
Mode 3			45	30			
Mode 4			45	30			
Mode 5			45	30			
Mode 6			45	30			
Mode 8			45	30			
ModeIndep			45	30			

Corrective Action Guidelines (New limits must be saved prior to assigning CAGs.)

* Color Code Indicators: High Low

Link OOS To Document Print Save Limit(s) Test Link

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



Any questions regarding this report can be sent to Support @GCRIncorporated.com