Using The Data Grade Levels For Managing QA Status

The Data Grade Level Editor lets you assign levels to the "Data Grade" field in the database (previously only used by ADVP) to track QA levels. For a simple common system, you can use the "Add" button to create two levels, one for site tech review, and the other for QA review complete.

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Data Grade Value Back Color	Fore Color	Lock Data?	Data Grade Descri	otion	
1 🔹 160, 204, 240	0, 0, 0		Level 1 (Site Tech Review)		
2 2 154, 212, 173	0, 0, 0 🗸		Level 2 (QA Reviewed)		
*					
	User: Admin	Profile: local	/ersion: 4.3.314 Build: 2020.11.25.2	11/25/2020	17:14

You can assign whatever background colors you want for the QA Level / Data Grade display field. A particular data grade can also be associated with locking the data, if the data is set to that data grade.

Once configured, the selections will appear in places like the Batch Reading Updater:

Batch Edit					×
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Update Values					
Set Annotations	Data Grade:		1 ‡		
Set AQS Null Code	Data Grade	Δ	Description		
Set Qualifier Codes	- 12		A		
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Set AQS Method Code		2	Level 2 (QA Reviewed)		
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Drag a column header	here to group by t	nat column.											
Site	Parameter A	werage Interval	Date	Value	Raw Value	AQS Null Code	Flags	Qualifier Codes	AQS Method Code	Data Grade □	Annotations		
2 =		0	-	-	-					-			
Brentwood_NCore		01h	02/01/2006 02:00	2.	2.01682186126709				110	1	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 03:00	2.	2.77985382080078				110	1	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 04:00	2.	2.58975458145142				110	1	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 05:00	2.	2.08036708831787				110	1	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 06:00	1.	1.34780335426331				110	1	[11/25/2020 17		
Brentwood_NCore	44_WDSCAL	01h	02/01/2006 01:00	323.	323,442291259766				140	1	[11/25/2020 17		
Brentwood_NCore	44_WDSCAL	01h	02/01/2006 02:00	330.	330.612823486328				140	1	[11/25/2020 17		
Brentwood_NCore	44_WDSCAL	01h	02/01/2006 03:00	330.	330.352752685547				140	1	[11/25/2020 17		
Brentwood_NCore	44_WDSCAL	01h	02/01/2006 04:00	317.	317.214538574219				140	1	[11/25/2020 17		
Brentwood_NCore	44_WDSCAL	01h	02/01/2006 05:00	321.	321.294769287109				140	1	[11/25/2020 17		
Brentwood_NCore	44_WDSCAL	01h	02/01/2006 06:00	316.	316.219207763672				140	1	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL (01h	02/01/2006 00:00	0.	0.914791882038116				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL 0	01h	02/01/2006 01:00	1.	1.14020955562592				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL 0	01h	02/01/2006 07:00	1.	1.75867247581482				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL 0	01h	02/01/2006 08:00	1.	1.68343281745911				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 09:00	1.	1.29267835617065				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 10:00	0.	0.880760371685028				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 11:00	1.	1.29831039905548				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 12:00	1.	1.38471877574921				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 13:00	1.	1.55309355258942				110	2	[11/25/2020 17		
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 14:00	2.	2.03148913383484				110				
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 15:00	1.	1.9638534784317				110				
Brentwood_NCore	42_WSSCAL	01h	02/01/2006 16:00	1.	1.19479823112488				110				
Brentwood NCore	42 WSSCAL	01h	02/01/2006 17:00	0.	0.89976292848587				110				

Or directly on that field in the Average Data Editor (you must **double-click** the field for the selection list):

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Site	Parameter	Average Interval	Date	Δ	Value	Raw Value	AQS Null Code	Flags	Qualifier	Codes	AQS Method Code	Data Grade	
			-		-	-						-	
Brentwood_NCore	01_CO	001h	01/01/2006 00:00		\$1.155	11.155001640319	3	C <e< td=""><td></td><td></td><td>070</td><td></td><td>[7/29/2016 15:57][Audit][Admin] Removed FI</td></e<>			070		[7/29/2016 15:57][Audit][Admin] Removed FI
Brentwood_NCore	02_502	001h	01/01/2006 00:00)	113	112.66109466552	7				080	‡ <mark>-</mark>	
Brentwood_NCore	03_NOX	001h	01/01/2006 00:00		223,	223.32223510742	2 AD	IC <e< td=""><td>Data Grade</td><td>۵</td><td>Description</td><td></td><td>[3/17/2020 12:59][Audit][Admin] Reading Nu</td></e<>	Data Grade	۵	Description		[3/17/2020 12:59][Audit][Admin] Reading Nu
Brentwood_NCore	04_NO2	001h	01/01/2006 00:00)	92.	92.420143127441	4		2 -		A		
Brentwood_NCore	05_NO	001h	01/01/2006 00:00		130.	130.57559204101	5	C <e< td=""><td></td><td>1</td><td>Level 1 (Site Tech Rev</td><td>iew)</td><td></td></e<>		1	Level 1 (Site Tech Rev	iew)	
Brentwood_NCore	PM25LC	001h	01/01/2006 00:00)	16.	16.47669219970	7			2	Level 2 (QA Reviewed)	
Brentwood_NCore	01_CO	001h	01/01/2006 01:00)	0.533	0.5328726172447	2 AC						[4/26/2012 10:25][Audit][Admin] Reading Nu
Brentwood_NCore	02_502	001h	01/01/2006 01:00)	6	6.4879541397094	7 AC						[4/26/2012 10:25][Audit][Admin] Reading Nu
Brentwood_NCore	03_NOX	001h	01/01/2006 01:00)	12.	12.307932853698	7 AC						[4/26/2012 10:25][Audit][Admin] Reading Nu
Brentwood_NCore	04_NO2	001h	01/01/2006 01:00)	10.	10.911479949951	2 AC						[7/29/2016 15:53][Audit][Admin] Added Flag:
Brentwood_NCore	05_NO	001h	01/01/2006 01:00)	1.	1.091520786285	4 AC						[4/26/2012 10:28][Audit][Admin] Added Qual
Brentwood_NCore	PM25LC	001h	01/01/2006 01:00)	18.	18.238296508789	1 AC						[4/26/2012 10:28][Audit][Admin] Added Qual
Brentwood_NCore	01_CO	001h	01/01/2006 02:00)	0.549	0.54901754856109	5				070		
Brentwood_NCore	02_502	001h	01/01/2006 02:00)	5	5.4273743629455	5				080		
Brentwood_NCore	03_NOX	001h	01/01/2006 02:00)	13.	13.100862503051	3				080		
Brentwood_NCore	04_NO2	001h	01/01/2006 02:00)	11.	11.419714927673	3				080		
Brentwood_NCore	05_NO	001h	01/01/2006 02:00)	1.	1.3542802333831	3				080		
Brentwood_NCore	PM25LC	001h	01/01/2006 02:00)	19.	19.021757125854	5				***		[10/6/2020 11:16][Audit][Admin] Reading Val
Brentwood_NCore	01_CO	001h	01/01/2006 03:00)	0.542	0.54186797142028	3				070		[7/29/2016 15:55][Audit][Admin] Reading Nu
rentwood_NCore	02_SO2	001h	01/01/2006 03:00		5	5.4342608451843	AD	1			080		[3/17/2020 13:02][Audit][Admin] Reading Nu
Brentwood_NCore	03_NOX	001h	01/01/2006 03:00)	13.	13.930959701538	1				080		
	04_NO2	001h	01/01/2006 03:00)	11.	11.46063613891	5				080		[4/25/2012 18:31][Imported][AirVision] anno
Brentwood_NCore													

You will want to assign user approval levels under List Editors->Data Grade User Level Editor.

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				User: A	dmir	n Profile: local Ve	ersion: 4.3.314	Build: 2020.11.25.2	11/25	2020	17:26

Once this is done, the editor will add a right-click context option for "Approve" if they have the level that includes the ability to lock data. Selecting "Approve" wil set the QA level to the lock level and lock the data against future edits. Unlocking is still performed using the Batch Reading Updater.

Drag a column header	here to group b	y that column.										
Site	Parameter	Average Interval	Date	Δ	Value	Raw Value	AQS Null Code	Flags	Qualifier Codes	AQS Method Code	Data Grade	
1 🗉			-		•	-					-	
Brentwood_NCore	01_CO	001h	01/01/2006 00:00		11.155	11.1550016403198		C <e< td=""><td></td><td>070</td><td></td><td>[7/29/2016 15:57][Audit][Admin] Removed Flag: < - Logger Invalid; [7/29/2016</td></e<>		070		[7/29/2016 15:57][Audit][Admin] Removed Flag: < - Logger Invalid; [7/29/2016
Brentwood_NCore	02_502	001h	01/01/2006 00:00		113	112.661094665527				080		
Brentwood_NCore	03_NOX	001h	01/01/2006 00:00		223.	223.322235107422	AD	IC <e< td=""><td></td><td>080</td><td></td><td>[3/17/2020 12:59][Audit][Admin] Reading Null Code Changed from: Not Specifi</td></e<>		080		[3/17/2020 12:59][Audit][Admin] Reading Null Code Changed from: Not Specifi
Brentwood_NCore	04_NO2	001h	01/01/2006 00:00		92.	92.4201431274414				080		
Brentwood_NCore	05_NO	001h	01/01/2006 00:00		130.	130.575592041016		C <e< td=""><td></td><td>080</td><td></td><td></td></e<>		080		
Brentwood_NCore	PM25LC	001h	01/01/2006 00:00		16.	16.476692199707				***		
Brentwood_NCore	01_CO	001h	01/01/2006 01:00		0.533	0.53287261724472	AC			070	2	[4/26/2012 10:25][Audit][Admin] Reading Null Code Changed from: Not Specifi
Brentwood_NCore	02_SO2	001h	01/01/2006 01:00		6	6.48795413970947	AC			080	2	[4/26/2012 10:25][Audit][Admin] Reading Null Code Changed from: Not Specifi
Brentwood_NCore	03_NOX	001h	01/01/2006 01:00		12.	12.3079328536987	AC			080	2	[4/26/2012 10:25][Audit][Admin] Reading Null Code Changed from: Not Specifi
Brentwood_NCore	04_NO2	001h	01/01/2006 01:00		10.	10.9114799499512	AC			080	2	[7/29/2016 15:53][Audit][Admin] Added Flag: z - Zero Adjusted;
Brentwood_NCore	05_NO	001h	01/01/2006 01:00		1.	1.0915207862854	AC			080	2	[4/26/2012 10:28][Audit][Admin] Added Qualifier Code: CC - Clean Canister Res
Brentwood_NCore	PM25LC	001h	01/01/2006 01:00		18.	18.2382965087891	AC			***	2	[4/26/2012 10:28][Audit][Admin] Added Qualifier Code: CC - Clean Canister Res
Brentwood_NCore	01_CO	001h	01/01/2006 02:00	ſ	5	Restore From Raw				070	2	
Brentwood_NCore	02_SO2	001h	01/01/2006 02:00			Restore to Original				080		
Brentwood_NCore	03_NOX	001h	01/01/2006 02:00			Approve				080		
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Brentwood_NCore	PM25LC	001h	01/01/2006 02:00		*9/	Set AQS Null Code Set Qualifier Codes				***		[10/6/2020 11:16][Audit][Admin] Reading Value Changed from: 77 to: 19.02175
Brentwood_NCore	01_CO	001h	01/01/2006 03:00		٩			-		070		[7/29/2016 15:55][Audit][Admin] Reading Null Code Changed from: AA - Samp
Brentwood_NCore	02_502	001h	01/01/2006 03:00		h.	View All Flags				080		[3/17/2020 13:02][Audit][Admin] Reading Null Code Changed from: Not Specifi
Brentwood_NCore	03_NOX	001h	01/01/2006 03:00		2	Set Annotations				080		
Brentwood_NCore	04_NO2	001h	01/01/2006 03:00			Delete Annotations				080		[4/25/2012 18:31][Imported][AirVision] annotationed data
Brentwood_NCore	05_NO	001h	01/01/2006 03:00		2	Batch Edit		<e< td=""><td></td><td>080</td><td></td><td>[7/17/2019 18:01][Audit][Admin] Added Flag: < - Logger Invalid;</td></e<>		080		[7/17/2019 18:01][Audit][Admin] Added Flag: < - Logger Invalid;

Note that the lock icon on the data won't initially appear, but will appear on the next refresh or query of the data:

brentwood_incore	05_110	oum	01/01/2006 00:00		100.070092041010		UNE	VOV		
Brentwood_NCore	PM25LC	001h	01/01/2006 00:00	16.	16.476692199707			***		
Brentwood_NCore	01_CO	001h	01/01/2006 01:00	0.533	0.53287261724472	AC		070	2	[4/26/20
Brentwood_NCore	02_502	001h	01/01/2006 01:00	6	6.48795413970947	AC		080	2	[4/26/20
Brentwood_NCore	03_NOX	001h	01/01/2006 01:00	12.	12.3079328536987	AC		080	2	[4/26/20
Brentwood_NCore	04_NO2	001h	01/01/2006 01:00	10.	10.9114799499512	AC		080	2	[11/25/2
Brentwood_NCore	05_NO	001h	01/01/2006 01:00	1.	1.0915207862854	AC		080	2	[4/26/20
Brentwood_NCore	PM25LC	001h	01/01/2006 01:00	18.	18.2382965087891	AC		***	2	[4/26/20
Brentwood_NCore	01_CO	001h	01/01/2006 02:00	0.549	0.549017548561096			070	2	[11/25/2
Brentwood_NCore	02_502	001h	01/01/2006 02:00	5	5.42737436294556			080		