

## Overview of Changes in AMD Quality System Chapter (Chapter 5) Clause-by-clause description of changes from the 2006 AMD – June, 2014

	2006 AMD		2014 AMD
2006 AMD section	Clause #	Changes made in 2014 AMD	Clause #
Guidance for Use		Repealed and replaced by Chapter 1 (Introduction) and Chapter 5 (Quality System)	
Purpose	-	Repealed and replaced by Chapter 1 (Introduction) and Chapter 5 (Quality System)	-
About Shall, Must, Should, May	-	Revised and replaced by Chapter 1 (Introduction)	-
Overview of the AMD 2006	-	Repealed	-
Data Confidentiality	-	Repealed and replaced by Chapter 1 (Introduction)	-
Review Process for the MRD	-	Repealed and replaced by Chapter 1 (Introduction)	-
0.0 Amendments to the AMI 1989	)	No change	
	0.1.1	No change. Will be repealed by Chapters 1 (Introduction), 5 (Quality	-
	0.1.2	System) and 9 (Reporting)	=
	0.1.3		-
	0.1.4		-
1.0 Application 1.1 General		Repealed and replaced by Chapter 1 (Introduction)	
	1.1.1	Revised and replaced by Chapter 1 (Introduction)	Int 1-A
	1.1.2	Revised and replaced with clause to require compliance with the AMD, contained in Chapter 1 (Introduction), and replaced "environmental" with "air"	Int 1-B
	1.1.3	No change (provides effective date for 2006 AMD)	1.1.3
2.0 Quality System		Entire section is repealed and replaced by Chapter 5 (Sections 1.0 through 9.0), except Calibration section (clauses 2.9.34 to 2.9.48)	
2.1 Application of the Quality System	2.1.1	Repealed and replaced as guidance in Purpose section	-
2.2 Implementation	2.2.1	Revised and replaced in Chapter 5 Section 2.0 (Quality System)	QS 2-A
	2.2.2	Revised and replaced (date for compliance)	QS 1-A
	2.2.3	No change	QS 2-B
	2.2.4	Revised and replaced in QS 2-A	QS 2-A
2.3 Administrative Requirements			
	2.3.1	Repealed and replaced as guidance in Chapter 5 Section 6.0 (Resources)	-
	2.3.2	Revised with wording changes	QS 6-A
2.4 Document Control		Repealed and replaced in Chapter 5 Section 3.0 (Document, Record and Data Management)	
	2.4.1	Revised and replaced with added requirement for "documented	QS 3-A

procedures" and former 2.4.1 (iv) repealed and replaced as clause QS 3-B  2.4.2 Revised with minimal wording change  2.4.3 No change  2.4.4 Revised with added requirements for changes to controlled documents and "documented procedures"  2.4.5 Revised with minimal wording changes and replaced with QS 3-E and QS 3-F  2.4.6 Revised and incorporated into QS 3-F  2.4.7 Revised and incorporated into QS 3-F and QS 4-E; and replaced "internal audits" with "audits"  NEW Requirement for identification, storage, protection, retrieval, retention, and disposition of corords  2.4.8 No change  2.4.9 No change  2.4.10 Revised with minimal wording change  2.4.11 Revised with added requirement to implement and maintain documented procedures  2.4.12 No change  2.4.13 Revised with minimal wording change  2.4.14 No change  2.4.15 No change  2.5.1 Revised with added requirement to implement and maintain documented procedures  2.5.1 Revised with added requirement to records and replaced with modification of equipment or software in QS 6-K  2.4.14 No change  2.5.15 No change  2.5.1 Revised with added "inspections"  2.5.2 No change  2.5.3 No change  2.5.4 Revised and replaced "internal audits" to "audits"  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.5 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Non-compliance, Preventative, and Corrective Action)  Preventative, and Corrective Action of Coronal an	2006 AMD section	2006 AMD Clause #	Changes made in 2014 AMD	2014 AMD Clause #
2.4.2 Revised with minimal wording change QS 2.4.3 No change QS 2.4.4 Revised with added requirements for changes to controlled documents and "documented procedures"  2.4.5 Revised with minimal wording changes and replaced with QS 3-E and QS 3-F and QS 3-F QS 3-E and QS 3-F QS 3-E and QS 3-F QS 3-E and QS 3-F and QS 3-F and QS 4-E; and replaced "internal audits" with "audits" QS 3-E and qS 3-F and QS 3-F and QS 4-E; and replaced "internal audits" with "audits" QS NEW Requirement for identification, storage, protection, retrieval, retention, and disposition of records  2.4.8 No change QS 2.4.9 No change QS 2.4.9 No change QS  2.4.10 Revised with minimal wording change QS  2.4.11 Revised with added requirement to implement and maintain documented procedures  2.4.12 No change QS  2.4.13 Revised with added requirement to implement and maintain documented procedures  2.4.14 No change QS  2.4.15 No change QS  2.4.15 No change QS  2.5.1 Revised with added "inspections" QS  2.5.1 Revised with added "inspections" QS  2.5.2 No change QS  2.5.3 No change QS  2.5.4 Revised with added "inspections" QS  NEW Requirement for internal inspections (to plan/schedule) and added guidance QS  2.5.5 Revised and replaced "internal audits" to "audits" QS  2.5.6 Revised and replaced "internal audits" to "audits" and added "inspections" QS  2.5.7 Revised and replaced "internal audits" to "audits" and added "inspections" QS  2.5.8 Revised and replaced with wording changes to 2.5.6 (a) and (b) QS  2.5.8 Revised and replaced with wording changes to 2.5.6 (a) and (b) QS  2.5.8 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) Corrective Action  Preventive Action Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive Action  Preventive A	2000 III/2D Section	Clause II	procedures" and former 2.4.1 (iv) repealed and replaced as	QS 3-B
2.4.4 Revised with added requirements for changes to controlled documents and "documented procedures"  2.4.5 Revised with minimal wording changes and replaced with QS 3-E and QS 3-F  2.4.6 Revised and incorporated into QS 3-F  2.4.7 Revised and incorporated into QS 3-F  3-E and QS 3-F  2.4.8 No change  2.4.8 No change  2.4.9 No change  2.4.9 No change  2.4.10 Revised with minimal wording change  2.4.11 Revised with minimal wording change  2.4.12 Revised with added requirement to implement and maintain documented procedures  2.4.13 Revised with added requirement to implement and maintain quantum documented procedures  2.4.14 No change  2.4.15 No change  2.5.1 Internal Audits  2.5.1 Revised with added "inspections"  2.5.2 No change  2.5.3 No change  2.5.3 Revised and replaced "internal audits" to "audits"  2.5.4 Revised and replaced with wording change quantum dated and a procedures and replaced into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance  2.5.3 Revised and replaced with wording changes to 2.5.6 (a) and (b) qS and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) qS and added "inspections"  2.5.7 Revised and replaced with wording changes to 2.5.6 (a) and (b) qS and added "inspections"  2.5.8 Revised and replaced with wording changes to 2.5.6 (a) and (b) qS and added "inspections"  2.5.9 No change  2.5.0 Non-compliance, Preventative, and Corrective Action)		2.4.2	-	QS 3-D
documents and "documented procedures"   2.4.5   Revised with minimal wording changes and replaced with QS 3-E and QS 3-F and QS 3-F   QS QS		2.4.3	No change	QS 3-C
3-E and QS 3-F  2.4.6 Revised and incorporated into QS 3-F and QS 4-E; and replaced winternal audits" with "audits" or Revised and incorporated into QS 3-F and QS 4-E; and replaced or Sinternal audits or Sinternal audits or Revised and incorporated into QS 3-F and QS 4-E; and replaced or Records  2.4.8 No change QS  2.4.9 No change QS  NEW Requirement for when corrections are made to records  2.4.10 Revised with minimal wording change QS  2.4.11 Revised with added requirement to implement and maintain documented procedures  2.4.12 No change QS  2.4.13 Revised Removed bullet (a) from regarding control of records and replaced with modification of equipment or software in QS 6-K  2.4.14 No change QS  2.4.15 No change QS  2.5.1 Revised with added "inspections" QS  2.5.2 No change QS  2.5.3 No change Assistance QS  NEW Requirement for internal inspections (to plan/schedule) and added guidance QS  2.5.4 Revised and replaced "internal audits" to "audits" QS  Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.6 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventative, and Corrective Action)		2.4.4		QS 3-B
2.4.7 Revised and incorporated into QS 3-F and QS 4-E; and replaced ges internal audits" with "audits"  NEW Requirement for identification, storage, protection, retrieval, retention, and disposition of ges records  2.4.8 No change  2.4.9 No change  QS  NEW Requirement for when corrections are made to records  2.4.10 Revised with minimal wording change  2.4.11 Revised with added requirement to implement and maintain documented procedures  2.4.12 No change  2.4.13 Revised with added requirement to implement and maintain documented procedures  2.4.14 No change  2.4.15 No change  2.4.16 No change  2.5.1 Revised with modification of equipment or software in QS 6-K  2.5.1 Revised with modification of equipment or software in QS 6-K  2.5.1 Revised with added "inspections"  QS  2.5.2 No change  2.5.3 No change  QS  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  Revised and replaced "internal audits" to "audits" and added "inspections"  QS  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.7 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.7 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.7 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.7 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.8 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.8 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.7 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  2.5.8 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added winspections"  Revised and replaced with wording chang		2.4.5		QS 3-E QS 3-F
"internal audits" with "audits" QS  NEW Requirement for identification, storage, protection, retrieval, retention, and disposition of gost records    2.4.8		2.4.6	Revised and incorporated into QS 3-F	QS 3-F
Pecords   2.4.8   No change   QS		2.4.7		QS 3-F QS 4-E
2.4.9   No change   QS		entification,	storage, protection, retrieval, retention, and disposition of	QS 3-F
NEW Requirement for when corrections are made to records    2.4.10   Revised with minimal wording change   QS		2.4.8	No change	QS 3-G
2.4.10   Revised with minimal wording change   QS		2.4.9	No change	QS 3-H
2.4.11 Revised with added requirement to implement and maintain documented procedures  2.4.12 No change  2.4.13 Revised Removed bullet (a) from regarding control of records and replaced with modification of equipment or software in QS 6-K  2.4.14 No change  2.4.15 No change  2.5.1 Revised with added "inspections"  2.5.1 Revised with added "inspections"  2.5.2 No change  2.5.2 No change  2.5.3 No change and incorporated into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance  2.5.4 Revised and replaced "internal audits" to "audits" QS  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventiative, and Corrective Action)	NEW Requirement for w	hen correcti	ons are made to records	QS 3-J
documented procedures  2.4.12 No change  2.4.13 Revised Removed bullet (a) from regarding control of records and replaced with modification of equipment or software in QS 6-K  2.4.14 No change  2.4.15 No change  2.5.1 Revised with added "inspections"  QS  2.5.1 Revised with added "inspections"  QS  2.5.2 No change  2.5.3 No change and incorporated into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  2.5.4 Revised and replaced "internal audits" to "audits" and added "inspections"  QS  2.5.5 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.6 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.4.10	Revised with minimal wording change	QS 3-K
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Removed bullet (a) from regarding control of records and replaced with modification of equipment or software in QS 6-K  2.4.14 No change  2.4.15 No change  QS  2.5 Internal Audits  Now appears in Chapter 5, Section 4.0 (Inspection and Audit)  2.5.1 Revised with added "inspections"  QS  2.5.2 No change  QS  No change and incorporated into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  Revised and replaced "internal audits" to "audits"  QS  2.5.4 Revised and replaced "internal audits" to "audits" and added "inspections"  QS  Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.6 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.4.12	No change	QS 3-M
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2.5 Internal Audits  Now appears in Chapter 5, Section 4.0 (Inspection and Audit)  2.5.1 Revised with added "inspections"  QS  2.5.2 No change  2.5.3 No change and incorporated into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  2.5.4 Revised and replaced "internal audits" to "audits"  QS  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.4.14	No change	QS 3-N
2.5.1 Revised with added "inspections"  QS  2.5.2 No change QS  2.5.3 No change and incorporated into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance QS  2.5.4 Revised and replaced "internal audits" to "audits" QS  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits" QS  2.5.9 No change  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.4.15	No change	QS 3-O
2.5.2 No change  2.5.3 No change and incorporated into QS 4-B  QS  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  2.5.4 Revised and replaced "internal audits" to "audits"  QS  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)	2.5 Internal Audits		Now appears in Chapter 5, Section 4.0 (Inspection and Audit)	
2.5.3 No change and incorporated into QS 4-B  NEW Requirement for internal inspections (to plan/schedule) and added guidance  QS  2.5.4 Revised and replaced "internal audits" to "audits"  QS  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.5.1	Revised with added "inspections"	QS 4-A
NEW Requirement for internal inspections (to plan/schedule) and added guidance  2.5.4 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.5.2	No change	QS 4-B
2.5.4 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.5.3	No change and incorporated into QS 4-B	QS 4-B
2.5.5 Revised and replaced "internal audits" to "audits" and added "inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  2.6 Non-compliance, Preventative, and Corrective Action)  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)	NEW Requirement for in	ternal inspec	ctions (to plan/schedule) and added guidance	QS 4-C
"inspections"  2.5.6 Revised and replaced with wording changes to 2.5.6 (a) and (b) and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  2.6 Non-compliance, Preventative, and Corrective Action  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.5.4	Revised and replaced "internal audits" to "audits"	QS 4-D
and added "inspections"  2.5.7 Revised and replaced by Chapter 5, Section 5.0 (Corrective Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action  Corrective Action  QS  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.5.5		QS 4-E
Action) clause QS 5-A(v)  2.5.8 Revised and replaced "internal audits" to "audits"  QS  2.5.9 No change  QS  2.6 Non-compliance, Preventative, and Corrective Action  Action) clause QS 5-A(v)  QS  QS		2.5.6	Revised and replaced with wording changes to 2.5.6 (a) and (b)	QS 4-F
2.5.9 No change QS  2.6 Non-compliance, Preventative, and Corrective Action Preventive and Corrective Action		2.5.7		QS 5-A
2.6 Non-compliance, Preventative, and Corrective Action  Now appears in Chapter 5, Section 5.0 (Non-Compliance, Preventive and Corrective Action)		2.5.8	Revised and replaced "internal audits" to "audits"	QS 4-G
Preventative, and Corrective Action  Preventive and Corrective Action		2.5.9	No change	QS 4-H
	Preventative, and			
2.6.1   Revised and replaced to not only specify who will be   QS		2.6.1	Revised and replaced to not only specify who will be	QS 5-A

	2006 AMD		2014 AMD
2006 AMD section	Clause #	Changes made in 2014 AMD	Clause #
		responsible, but to require that a documented process be in place for handling, investigating and identifying root cause of non-compliance, as well as commencing corrections.	
	2.6.2	Repealed clause 2.6.2 (ii). Revised and replaced other clauses with added (QS 5-B (vi)) verification activities to evaluate effectiveness of corrective action. 5-B deals with preventive or corrective action.	QS 5-B
2.7 Subcontracting of Environmental Monitoring and/or Reporting		Now appears in Chapter 5, Section 6.0 (Resources)	
	2.7.1	No change	QS 6-G
2.8 Purchasing of Services and Supplies		Now appears in Chapter 5, Section 6.0 (Resources)	
	2.8.1	No change	QS 6-H
	2.8.2	Revised and replaced with "all monitoring conducted"	QS 6-I
	2.8.3	Repealed and incorporated into QS 3-F (former 2.4.5) – maintaining records for all monitoring and maintenance activities	QS 3-F
2.9 Technical Requirements		Now appears in Chapter 5, Sections 6.0 (Resources), 7.0 (Air Monitoring Methods), 8.0 Calibration, and 9.0 Sampling	
	2.9.1	Revised and replaced in QS 6-A (was 2.3.2) and guidance in Section 6.0.	QS 6-A
	2.9.2	No change	QS 6-B
	2.9.3	Revised and replaced in bullet (iii) under QS 6-B (former 2.9.2)	QS 6-B
	2.9.4	Revised and replaced with added requirements for personnel to be aware of both the AMD and the Quality System	QS 6-C
	2.9.5	Revised and replaced with wording changes in QS 6-D 2.9.5(c) was repealed	QS 6-D
NEW Requirement for pe	erson respon	sible to retain all responsibility of subcontractors	QS 6-E
NEW Requirement for pe System	erson respon	sible to verify that subcontractor meets AMD and Quality	QS 6-F
	2.9.6	Repealed and replaced in QS 3-E	-
	2.9.7	Revised and with added requirement that procedure be documented within QAP – added to QS 6-J (ii)	QS 6-J
	2.9.8	Repealed as cannot control environmental conditions. QS 6-J requires that procedures be established, implemented and maintained for the operation and maintenance of all monitoring equipment, according to the specs of the equipment.	-
	2.9.9	Repealed as these clauses specify how, rather than specifying	-
	2.9.10	that, a procedure for a QAP be developed. QS 6-J specifies that procedures be established, implemented and maintained for the	-
	2.9.11	operation and maintenance of all monitoring equipment. QS 7-	-
	2.9.12	A and QS 7-C require that monitoring methods be documented and must use methods specified in the AMD.	-
	2.9.13	Revised and replaced with added requirement of identification and calibration of relevant monitoring equipment	QS 6-J (i,ii)
	2.9.14	Revised and replaced in 2.9.13 (QS 6-J (iii)) and refers to QS 9-	QS 6-J

200 ( 4 ) ( 7 )	2006 AMD		2014 AMD
2006 AMD section	Clause #	Changes made in 2014 AMD	Clause #
	2.9.15	Repealed as is required in QS 3-A and QS 3-B (former 2.4.1 and 2.4.2) for documents to be maintained and available.	-
	2.9.16	Revised and replaced (a) into QS 6-J. Repealed (b) through (h) as QS 3-E, 3-F and 3-G require all relevant records be kept, including those pertaining to equipment specs, performance, maintenance, etc. and documents be controlled and available.	QS 6-J - QS 3-E QS 3-F QS 3-G
	2.9.17	Revised and replaced in QS 6-J (iv) and (v) regarding approach of documenting procedures.	QS 6-J (iv), (v)
	2.9.18	Repealed and replaced in non-compliance clauses in Chapter 5 section 5.0 (former Section 2.6)	-
NEW Requirement for valid	lation of equi	pment/software that is modified; refers to QS 7-D and 7-E	QS 6-K
	2.9.19	Repealed as the AMD doesn't prescribe many "monitoring methods"	-
	2.9.20	Revised and replaced with requirement for <u>all</u> monitoring methods to be accurately documented, to reflect intent of Section 7.0 (monitoring methods). "All phases" of activities is required in comprehensive Quality System (QS 2-A and 2-B)	QS 7-A
	2.9.21	Repealed and replaced by QS 7-C (former 2.9.23) and QS 7-D and F on not deviating from specified methods and associated note moved to under QS 7-C	QS 7-C QS 7-D QS 7-F
	2.9.22	Repealed and replaced by QS 6-B (former 2.9.2) on ensuring personnel have proper, up to date training, as well as QS 6-A and 6-D regarding personnel competence and documentation	QS 6-A QS 6-B QS 6-D
	2.9.23	Revised and replaced with reference of validation from clauses QS 7-D and 7-E	QS 7-C
	2.9.24	Revised and replaced in QS 7-A (former 2.9.20) on documenting procedures for all monitoring activities	QS 7-A
	2.9.25	Revised and replaced with added requirement of anything else required by Director	QS 7-B
	2.9.26	Repealed and replaced with clauses QS 7-A,B, E and F (former 2.9.19, 2.9.20, 2.9.23 and 2.9.28) requiring alternate monitoring methods be validated and approval be attained	QS 7-A, B, E and F
	2.9.27	Repealed and replaced with QS 7-C (former 2.9.23) which requires that justification be provided for change in monitoring method	QS 7-C
	2.9.28	No change	QS 7-D
	2.9.29	Repealed as "validation protocols" do not exist and QS 7-D (former 2.9.28) requires methods be validated to confirm suitability	-
	2.9.30	Repealed as "validation protocols" do not exist and clause QS 7-D (former 2.9.28) covers requirements	-
	2.9.31	Revised and replaced with requirement to document procedure to record the protocol used to validate monitoring method (will help when deciding whether to approve alternate method)	QS 7-E
	2.9.32	Repealed uncertainty of measurement requirements. Estimates	_
	2.9.33	of monitoring method and equipment uncertainty are available from the manufacturer and should be documented as per records management clauses. Lab analysis uncertainty should be	-

2006 AMD45	2006 AMD	Character 1 in 2014 AMD	2014 AMD Clause #
2006 AMD section	Clause #	Changes made in 2014 AMD	Clause #
		attained from the lab performing the analysis. Added guidance in section 7.0 recommending that measurement uncertainty be estimated when a new method is used or a method is modified. Example of how to estimate uncertainty added to Appendix.	
	2.9.34	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.35	Revised and replaced to include "all" monitoring equipment	QS 8-A
	2.9.36	Revised and replaced and linked to QS 7-C (monitoring methods)	QS 8-B
	2.9.37	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.38	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.39	Revised and replaced with added requirement for updating data records.	QS 8-C
	2.9.40	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.41	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.42	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.43	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.44	Text modified slightly	QS 8-D
	2.9.45	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.46	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.47	No change. Will be replaced by revised Calibration Chapter (Chapter 7)	-
	2.9.48	Repealed and replaced with QS 6-E and 6-F on subcontractors	QS 6-E QS 6-F
	2.9.49	Repealed and replaced as guidance at start of Section 9.0	-
	2.9.50	Text modified slightly	QS 9-A
	2.9.51	Repealed the detail on sampling plan and need for obtaining	-
	2.9.52	written authorization. Sampling for passives and other non-continuous will be	-
	2.9.53	described in the Monitoring Chapter (Chapter 4) of the AMD.  Detailed requirements for non-routine monitoring are being drafted by the Monitoring Agency.	-
	2.9.54	Repealed and replaced as guidance after QS 9-A	-
	2.9.55	Repealed as per 2.9.51	-
	2.9.56	Revised and replaced to include traceability of the sample	QS 9-B
	2.9.57	No change	QS 9-C
	2.9.58	No change	QS 9-D
	2.9.59	Revised and replaced with added reference to QS 9-C (former 2.9.57)	QS 9-E

## Overview of Changes in AMD Quality System Chapter (Chapter 5)

2006 AMD section	2006 AMD Clause #	Changes made in 2014 AMD	2014 AMD Clause #	
NEW Requirement for use	NEW Requirement for use of ESRD Lab Data Quality Assurance Policy			
New Section in QS - 10.0 Evaluation and Improvement				
NEW Requirement for process for regular evaluation of Quality System			QS 10-A	
NEW Requirement for continually improving effectiveness of Quality System			QS 10-B	
3.0 Reporting Requirements		No change. Entire section will be repealed and replaced once revised Reporting Chapter (Chapter 9) is complete.	-	
Appendix A Definitions		Repealed and replaced with definitions in AMD Chapter 1 (Introduction)	-	