

## QAPP Standard vs EPA QA/R-5 Comparison

Additional and updated QAPP requirements in QAPP Standard compared to QA/R-5. For more information, see the EPA Quality Directives (<https://www.epa.gov/quality/quality-program-directives>) and EPA Region 1 Quality Guidance and QAPP template (<https://www.epa.gov/quality/region-1-quality-systems-documents>).

QAPP Standard Element	QA/R-5 Equivalent Element	QAPP Standard Additional or Updated Requirements
<b>Overall QAPP</b>		<ul style="list-style-type: none"> <li>• Must address all elements; if an element is not applicable, explain why.</li> <li>• Annual QAPP reviews should be documented and available to EPA QA Manager if requested.</li> </ul>
<b>A1 Title Page</b>	A1 Title and Approval Sheet	<ul style="list-style-type: none"> <li>• Project name must include “QAPP”</li> <li>• Includes Grant/Contract/Task Order #</li> <li>• Region 1 requirement: Includes QA Tracking #</li> </ul>
<b>A4 Project Purpose, Problem Definition, and Background</b>	A5 Problem Definition and Background	<ul style="list-style-type: none"> <li>• Identifies any other QA planning documents (e.g., Program or Generic QAPP).</li> </ul>
<b>A8 Project Organization</b>	A4 Project/Task Organization	<ul style="list-style-type: none"> <li>• Includes a Senior Manager &amp; Operations Manager.</li> </ul>
<b>A10 Project Organization Chart and Communications</b>	A4 Project/Task Organization	<ul style="list-style-type: none"> <li>• Organization chart is required.</li> <li>• Project QA Manager has independent line of communication to Senior Manager.</li> </ul>
<b>B2 Methods for Environmental Information Acquisition</b>	B2 Sampling Methods B4 Analytical Methods B9 Non-Direct Measurements	<ul style="list-style-type: none"> <li>• Identifies person responsible for updating SOPs.</li> </ul>
<b>B3 Integrity of Environmental Information</b>	B3 Sample Handling and Custody	<ul style="list-style-type: none"> <li>• Includes process to ensure lab accreditation and certification for analyses.</li> <li>• Must include chain of custody procedure, forms, and sample labels.</li> </ul>
<b>B6 Inspection/Acceptance of Supplies and Services</b>	B8 Inspection/Acceptance of Supplies and Consumables	<ul style="list-style-type: none"> <li>• States that acceptance of supplies will be on items or traceable to items.</li> </ul>
<b>C1 Assessments and Response Actions</b>	C1 Assessments and Response Actions	<ul style="list-style-type: none"> <li>• Assessment activities are required.</li> <li>• Indicates timeframe for responding to corrective actions.</li> <li>• Indicates how corrective actions will be developed and tracked.</li> <li>• States assessors are free of conflicts of interest.</li> </ul>
<b>C2 Oversight and Reports to Management</b>	C2 Reports to Management	<ul style="list-style-type: none"> <li>• Identifies individuals responsible for oversight activities.</li> <li>• Describes contents of reports and report transmission.</li> </ul>
<b>D1 Environmental Information Review</b>	D1 Data Review, Verification, and Validation D2 Verification and Validation Methods	<ul style="list-style-type: none"> <li>• No longer requirement to “precisely define and interpret” validation vs verification.</li> </ul>