

Inspection Output (IOR)

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Inspection Information

Inspection Name	Solvay OQ	Operator(s)	SOLVAY CHEMICALS, INC. (32399)	Plan Submitted	12/01/2017
Status	STARTED	Lead	Anthony Dorrough	Plan Approval	--
Start Year	2017	Supervisor	Joe Subsits	All Activity Start	12/05/2017
System Type	GT	Director	Sean Mayo	All Activity End	12/05/2017
Protocol Set ID	GT.2017.01			Inspection Submitted	--
				Inspection Approval	--

Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	Solvay OQ	Solvay Chemicals Inc. Operator Qualifications Inspection	unit	--	Compressor Stations Storage Fields Bottle/Pipe - Holders Vault Service Line Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum pipe Plastic pipe AMAOP Abandoned	38	38	38	38	100.0%

a. Percent completion excludes unanswered questions planned as "always observe".

Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	Solvay OQ	n/a	TQ	P, R	Detail	

Plan Implementations

#	Activity Name	SMART Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Qst Assets	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1.	Solvay OQ	--	12/05/2017 12/05/2017	n/a	all planned questions	all assets	all types	38	38	38	38	100.0%

a. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.

b. Percent completion excludes unanswered questions planned as "always observe".

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Solvay OQ	STARTED	--	Solvay OQ	--
2.	Attendance List	Solvay OQ 1	COMPLETED	12/06/2017	Solvay OQ	--

Results (all values, 38 results)

TQ.OQ: Operator Qualification

1. Question Result, ID, References	Sat, TQ.OQ.OOPLAN.P, 192.805(a) (192.801(b))
Question Text	<i>Is there an OQ plan that includes covered tasks, and the basis used for identifying covered tasks?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 7.0 & Appendix A
2. Question Result, ID, References	Sat, TQ.OQ.REEVALINTERVAL.P, 192.805(g)
Question Text	<i>Does the OQ plan establish and justify requirements for reevaluation intervals for each covered task?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Sections 8.2 & 8.3
3. Question Result, ID, References	Sat, TQ.OQ.NONQUALIFIED.P, 192.805(c)
Question Text	<i>Does the OQ plan contain provisions for non-qualified individuals to perform covered tasks while being directed and observed by a qualified individual, and are appropriate restrictions and limitations placed on such activities?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 14.A
4. Question Result, ID, References	Sat, TQ.OQ.EVALMETHOD.P, 192.805(b) (192.803;192.809(d);192.809(e))
Question Text	<i>Are evaluation methods established and documented appropriate to each covered task?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 14.0
5. Question Result, ID, References	Sat, TQ.OQ.RECORDS.R, 192.807
Question Text	<i>Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 11.0 - Reviewed records (verified)
6. Question Result, ID, References	Sat, TQ.OQ.TRAINING.P, 192.805(h)
Question Text	<i>Does the OQ program provide for initial qualification, retraining and reevaluation of individuals performing covered tasks?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 5.0
7. Question Result, ID, References	Sat, TQ.OQ.TRAINING.R, 192.807(a) (192.807(b))

Question Text	<i>Does the operator have records for initial qualification, retraining and reevaluation of individuals performing covered tasks?</i>
Assets Covered	Solvay OQ
Result Notes	Reviewed records (verified)
8. Question Result, ID, References	Sat, TQ.OO.OOPLANCONTRACTOR.P, 192.805(b) (192.805(f);192.805(c))
Question Text	<i>Does the OQ plan have a process to communicate the OQ plan requirements to contractors and ensure that contractors are following it?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 8.4
9. Question Result, ID, References	Sat, TQ.OO.OOCONTRACTOR.P, 192.805(b) (192.805(c);192.805(d);192.805(e);192.805(f))
Question Text	<i>Does the OQ plan require other entities that perform covered tasks on behalf of the operator to be qualified?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 6.0
10. Question Result, ID, References	Sat, TQ.OO.OOCONTRACTOREQUIV.P, 192.805(h)
Question Text	<i>Does the OQ plan document that the operator has assured that the processes on which an OQ vendor has evaluated qualified personnel are the same or consistent with those used by the operator for employees and contractors in the field?</i>
Assets Covered	Solvay OQ
11. Question Result, ID, References	Sat, TQ.OO.OOCONTRACTOR.R, 192.807(a) (192.807(b))
Question Text	<i>Are adequate records containing the required elements maintained for contractor personnel?</i>
Assets Covered	Solvay OQ
Result Notes	Reviewed records (verified)
12. Question Result, ID, References	Sat, TQ.OO.OTHERENTITY.R, 192.805(b) (192.805(c);192.803)
Question Text	<i>If the operator employs other entities to perform covered tasks, such as mutual assistance, are adequate records containing the required elements maintained?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 8.4
13. Question Result, ID, References	Sat, TQ.OO.ABNORMAL.P, 192.803
Question Text	<i>Does the OQ Plan contain requirements to assure that individuals performing covered tasks are able to recognize and react to abnormal operating conditions (AOCs)?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 19.0
14. Question Result, ID, References	Sat, TQ.OO.ABNORMAL.R, 192.807(a) (192.807(b);192.803)
Question Text	<i>Do records document evaluation of qualified individuals for recognition and reaction to AOCs?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 14.0

15. Question Result, ID, References	Sat, TQ.OQ.PERFMONITOR.P, 192.805(d) (192.805(e))
Question Text	<i>Does the program include provisions to evaluate an individual if there is reason to believe that performance of a covered task contributed to an incident or accident as defined in Parts 192 and 195 or there is reason to believe an individual is no longer qualified to perform a covered task?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 9.0
16. Question Result, ID, References	Sat, TQ.OQ.PERFMONITOR.R, 192.805(d) (192.805(e))
Question Text	<i>If the operator had an incident/accident where there is reason to believe that an individual contributed to the cause, do records indicate evaluation of the individual following the occurrence?</i>
Assets Covered	Solvay OQ
Result Notes	Solvay had no incident/accidents since last audit.
17. Question Result, ID, References	Sat, TQ.OQ.MOC.P, 192.805(f)
Question Text	<i>Does the OQ program identify how changes to processes, tools standards and other elements used by individuals in performing covered tasks are communicated to the individuals, including contractor individuals, and how these changes are implemented in the evaluation method(s)?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 16.2
18. Question Result, ID, References	Sat, TQ.OQ.CHANGENOTIFY.P, 192.805(i)
Question Text	<i>Does the process require significant OQ program changes to be identified and the Administrator or State agency notified?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 16.1
19. Question Result, ID, References	NA, TQ.OQ.CHANGERECORD.R, 192.805(i) (192.805(f))
Question Text	<i>Are records maintained for changes that affect covered tasks and significant OQ plan changes?</i>
Assets Covered	Solvay OQ
Result Notes	Solvay had no significant changes since last audit

TQ.QU: Qualification of Personnel - Specific Requirements

20. Question Result, ID, References	Sat, TQ.QU.CORROSION.P, 192.453 (192.805(b))
Question Text	<i>Does the process require corrosion control processes to be carried out by, or under the direction of, qualified personnel?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Appendix A
21. Question Result, ID, References	Sat, TQ.QU.CORROSION.R, 192.453 (192.807(a);192.807(b))
Question Text	<i>Do records indicate qualification of personnel implementing pipeline corrosion control methods?</i>
Assets Covered	Solvay OQ
Result Notes	Reviewed records (verified)
22. Question Result, ID, References	NA, TQ.QU.HOTTAQUAL.P, 192.627 (192.805(b))

Question Text	<i>Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?</i>
Assets Covered	Solvay OQ
Result Notes	Solvay has no need for hot taps on this system
23. Question Result, ID, References	NA, TQ.QU.HOTTAPQUAL.R, 192.627 (192.807(a);192.807(b))
Question Text	<i>Do records indicate the qualification of personnel performing hot taps?</i>
Assets Covered	Solvay OQ
Result Notes	Solvay has no need for hot taps on this system
24. Question Result, ID, References	Sat, TQ.QU.EXCAVATE.P, 192.805(b) (ADB-06-01;192.801;192.328)
Question Text	<i>Does the process require individuals who oversee and perform marking, trenching, and backfilling operations be qualified?</i>
Assets Covered	Solvay OQ
25. Question Result, ID, References	Sat, TQ.QU.EXCAVATE.R, 192.807(a) (192.807(b);ADB-06-01;192.801;192.328)
Question Text	<i>Do records indicate qualification of individuals who oversee marking, trenching, and backfilling operations?</i>
Assets Covered	Solvay OQ
Result Notes	Reviewed records (verified)

TQ.QUIM: Qualification of Personnel - Specific Requirements (IM)

26. Question Result, ID, References	NA, TQ.QUIM.IMREVIEWQUAL.P, 192.915(a) (192.915(b);192.915(c);192.935(b))
Question Text	<i>Does the process require that operator/vendor personnel (including supervisors and persons responsible for preventive and mitigative measures), who review and evaluate results meet acceptable qualification standards?</i>
Assets Covered	Solvay OQ
Result Notes	Covered in Integrity Management inspection.
27. Question Result, ID, References	NA, TQ.QUIM.IMREVIEWQUAL.R, 192.947(e) (192.915(a); 192.915(b); 192.915(c); 192.935(b)(1)(i); 192.947(d))
Question Text	<i>Do records indicate adequate qualification of integrity management personnel?</i>
Assets Covered	Solvay OQ
Result Notes	Covered in Integrity Management inspection.
28. Question Result, ID, References	NA, TQ.QUIM.IMQC.P, 192.805(b) (ASME B31.8S-2004, Section 12.2(b)(4); 192.935(b)(1)(i); 192.907(b); 192.911(l))
Question Text	<i>Does the process require personnel who execute IM program activities to be competent and qualified in accordance with the quality control plan in accordance with ASME B31.8S-2004, Section 12.2(b)(4)?</i>
Assets Covered	Solvay OQ
Result Notes	Covered in Integrity Management inspection.

TQ.QUOMCONST: Qualification of Personnel - Specific Requirements (O and M Construction)

29. Question Result, ID, References	Sat, TQ.QUOMCONST.INSPECTOR.P, 192.241(a) (192.241(c); 192.805(b); 192.328(a); 192.328(b))
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Question Text	<i>Does the process require welding inspection personnel to be adequately trained and qualified?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Appendix A
30. Question Result, ID, References	Sat, TQ.QUOMCONST.INSPECTOR.R, 192.241(a) (192.241(c); 192.807(a); 192.807(b))
Question Text	<i>Do records indicate adequate qualification documentation for personnel who conduct welding inspections?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 12.0
31. Question Result, ID, References	Sat, TQ.QUOMCONST.WELDER.R, 192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.328(a); 192.328(b); 192.807(a); 192.807(b))
Question Text	<i>Do records indicate that welders are adequately qualified?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Section 11.2
32. Question Result, ID, References	Sat, TQ.QUOMCONST.WELDER.P, 192.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(b); 192.805(b))
Question Text	<i>Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Appendix A
33. Question Result, ID, References	Sat, TQ.QUOMCONST.WELDERLOWSTRESS.P, 192.227(b) (192.225(a); 192.225(b); 192.805(b))
Question Text	<i>Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Appendix A
34. Question Result, ID, References	Sat, TQ.QUOMCONST.NDT.P, 192.243(b)(2) (192.803; 192.805(b); 192.805(h); 192.328(a); 192.328(b))
Question Text	<i>Does the process require nondestructive testing of welds performed by personnel trained and qualified in processes and in use of the testing equipment?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Appendix A
35. Question Result, ID, References	Sat, TQ.QUOMCONST.NDT.R, 192.243(b)(2) (192.807(a); 192.807(b); 192.328(a); 192.328(b))
Question Text	<i>Do records indicate the qualification of nondestructive testing personnel?</i>
Assets Covered	Solvay OQ
Result Notes	Located in Appendix A

TQ.TR: Training of Personnel

36. Question Result, ID, References	Sat, TQ.TR.TRAINING.P, 192.615(b)(2) (192.805(b))
Question Text	<i>Does the process require a continuing training program to be in place to effectively instruct emergency response personnel?</i>

Assets Covered	Solvay OQ
Result Notes	This is covered in the Public Awareness (PA) program and the Operations & Maintenance (O&M) program
37. Question Result, ID, References	Sat, TQ.TR.TRAINING.R, 192.615(b)(2) (192.807(a); 192.807(b))
Question Text	<i>Is training for emergency response personnel documented?</i>
Assets Covered	Solvay OQ
Result Notes	This is covered in the Public Awareness (PA) program and the Operations & Maintenance (O&M) program
38. Question Result, ID, References	Sat, TQ.TR.TRAININGREVIEW.P, 192.615(b)(3)
Question Text	<i>Does the process require review of emergency response personnel performance?</i>
Assets Covered	Solvay OQ
Result Notes	This is covered in the Public Awareness (PA) program and the Operations & Maintenance (O&M) program

Report Parameters: Results: all

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