

# Inspection Output (IOR)

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## Inspection Information

Inspection Name	Petrogas OQ	Operator(s)	PETROGAS WEST, LLC (39663)	Plan Submitted	08/02/2018
Status	PLANNED	Lead	Anthony Dorrrough	Plan Approval	08/07/2018 by Joe Subsits
Start Year	2018	Supervisor	Joe Subsits	All Activity Start	08/08/2018
System Type	HL	Director	Sean Mayo	All Activity End	08/09/2018
Protocol Set ID	HL.2018.01			Inspection Submitted	--
				Inspection Approval	--

## Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	86236 (1580)	Petrogas	unit	86236	Offshore GOM Crosses Nav. CO2 Reg Rural Gather Rural Low Stress Abandoned	63	63	63	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.	86236 (1580)	n/a	TQ	P, R, O, S	Detail
2.	86236 (1580)	n/a	SRN.TQ-OQ, SRN.TQ-QU, SRN.TQ-QUOMCONST, SRN.TQ-TRCNTRL, SRN.TQ-TRERP, SRN.TQ-TROMCONST	P, R, O, S	Detail

## Plan Implementations

Activity #	Name	SMART Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Qst Assets	Type(s)	Planned	Required	Total Inspected	Required % Complete
1.	Petrogas OQ	--	08/08/2018	08/09/2018	n/a	all planned questions	all assets	all types	63	63	63	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	New Attendance Form	COMPLETED	08/08/2018	--	--

## Results (all values, 63 results)

65 (instead of 63) results are listed due to re-presentation of questions in more than one sub-group.

### SRN.TQ-OQ: TQ - Operator Qualification

1. Question Result, ID, References **NIC, SRN.TQ-OQ.OOPLANMOD.S, N/A (N/A)**  
Question Text *What, if any, changes or improvements have been made to the OQ Plan since the last PHMSA OQ inspection?*  
Assets Covered **86236 (1580)**  
Result Notes **No changes or improvements since last PHMSA OQ inspection.**
2. Question Result, ID, References **NIC, SRN.TQ-OQ.OOPERSONNEL.S, N/A (N/A)**  
Question Text *Have there been changes in the number of personnel (both company and contractor) covered by the OQ Plan in the last 5 years?*  
Assets Covered **86236 (1580)**  
Result Notes **New personnel were incorporated into the existing OQ plan, following established procedures.**
3. Question Result, ID, References **NIC, SRN.TQ-OQ.OOREMOVAL.S, N/A (N/A)**  
Question Text *Have any OQ-qualified individuals (operator and contractor) been removed from performing a covered task, and what were the circumstances for the removals?*  
Assets Covered **86236 (1580)**  
Result Notes **No OQ-qualified individuals were removed from performing a covered task.**

### SRN.TQ-QU: TQ - Qualification of Personnel - Specific Requirements

4. Question Result, ID, References **NIC, SRN.TQ-QU.SPECREQMNTS.S, N/A (N/A)**  
Question Text *What processes are in place to ensure that corrosion control supervisors and pipeline controllers are competent to perform their activities?*  
Assets Covered **86236 (1580)**  
Result Notes **Subject matter expert - Norton Corrosion - Reviews their credential paperwork**

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

5. Question Result, ID, References **NA, SRN.TQ-QUOMCONST.OMSPECIFIC.S, N/A (N/A)**  
Question Text *What significant changes have been made in the last 5 years to the processes regarding the qualifications of individuals involved in the welding and joining of pipe?*  
Assets Covered **86236 (1580)**  
Result Notes **There has been no new construction or welding repair work during the time period.**

### SRN.TQ-TRCNTRL: TQ - Training of Personnel - Dispatcher

6. Question Result, ID, References **NIC, SRN.TQ-TRCNTRL.DISPATCHER.S, N/A (N/A)**  
Question Text *What changes have been made to the training requirements for dispatchers (controllers) in the last 5 years?*  
Assets Covered **86236 (1580)**  
Result Notes **There were no changes made to the training requirements for dispatchers (controllers) in the time period.**

### SRN.TQ-TRERP: TQ - Training of Personnel - Emergency Response

7. Question Result, ID, References **NIC, SRN.TQ-TRERP.IMPROVE.S, N/A (N/A)**  
 Question Text *What changes have been made in emergency response training as a result of drills and/or emergency responses in the last 5 years?*  
 Assets Covered **86236 (1580)**  
 Result Notes **There were no changes made in emergency response training during the time period.**
8. Question Result, ID, References **NIC, SRN.TQ-TRERP.OOEMERGRESP.S, N/A (N/A)**  
 Question Text *What changes have been made in the last 5 years to the process to ensure that emergency response personnel (operator and contractor) are qualified to perform their activities?*  
 Assets Covered **86236 (1580)**  
 Result Notes **There were no changes made to the process during the time period.**

## SRN.TQ-TROMCONST: TQ - Training of Personnel - O and M Construction

9. Question Result, ID, References **NA, SRN.TQ-TROMCONST.IMPROVE.S, N/A (N/A)**  
 Question Text *What changes have been made in personnel training relating to weld NDT activities and procedures in the last 5 years?*  
 Assets Covered **86236 (1580)**  
 Result Notes **There were no changes made in personnel training relating to weld NDT activities and procedures within the time period.**

## TD.CP: External Corrosion - Cathodic Protection

10. Question Result, ID, References **Sat, TQ.QU.CORROSIONSUPERVISE.P, 195.402(c) (195.555, 195.505(h))** (also presented in: TQ.QU)  
 Question Text *Are supervisors required to maintain a thorough knowledge of corrosion control procedures they are responsible for, and is it verified?*  
 Assets Covered **86236 (1580)**  
 Result Notes **Verified.**
11. Question Result, ID, References **Sat, TQ.QU.CORROSIONSUPERVISE.R, 195.589(c) (195.507(a), 195.507(b))** (also presented in: TQ.QU)  
 Question Text *Is qualification of supervisors in corrosion control procedures documented?*  
 Assets Covered **86236 (1580)**

## TQ.PROT9: OQ Protocol 9

12. Question Result, ID, References **Sat, TQ.PROT9.TASKPERFORMANCE.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*  
 Assets Covered **86236 (1580)**  
 Result Notes **Reviewed individuals performing selected covered tasks**
13. Question Result, ID, References **Sat, TQ.PROT9.QUALIFICATIONSTATUS.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*  
 Assets Covered **86236 (1580)**  
 Result Notes **Reviewed individuals performing selected covered tasks**
14. Question Result, ID, References **Sat, TQ.PROT9.AOCRECOG.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*  
 Assets Covered **86236 (1580)**  
 Result Notes **Reviewed individuals performing selected covered tasks**

15. Question Result, ID, References **Sat, TQ.PROT9.VERIFYQUAL.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*  
 Assets Covered **86236 (1580)**  
 Result Notes **Verified.**
16. Question Result, ID, References **Sat, TQ.PROT9.CORRECTION.O, 195.501(a) (195.509(a))**  
 Question Text *Have potential issues identified by the OQ plan inspection process been corrected at the operational level?*  
 Assets Covered **86236 (1580)**

## TQ.OO: Operator Qualification

17. Question Result, ID, References **Sat, TQ.OO.OOPLAN.P, 195.505(a) (195.501(b), 195.3(c)(B)(9))**  
 Question Text *Is there an OQ plan that includes covered tasks, and the basis used for identifying covered tasks?*  
 Assets Covered **86236 (1580)**  
 Result Notes **Verified.**
18. Question Result, ID, References **Sat, TQ.OO.REEVALINTERVAL.P, 195.505(g)**  
 Question Text *Does the OQ plan establish and justify requirements for reevaluation intervals for each covered task?*  
 Assets Covered **86236 (1580)**
19. Question Result, ID, References **Sat, TQ.OO.NONQUALIFIED.P, 195.505(c)**  
 Question Text *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?*  
 Assets Covered **86236 (1580)**
20. Question Result, ID, References **Sat, TQ.OO.EVALMETHOD.P, 195.505(b) (195.503, 195.509(d), 195.509(e))**  
 Question Text *Are evaluation methods established and documented appropriate to each covered task?*  
 Assets Covered **86236 (1580)**
21. Question Result, ID, References **Sat, TQ.OO.TRAINING.P, 195.505(h)**  
 Question Text *Does the operators program provide for initial qualification, retraining and reevaluation of individuals performing covered tasks?*  
 Assets Covered **86236 (1580)**
22. Question Result, ID, References **Sat, TQ.OO.TRAINING.R, 195.507(a) (195.507(b), 195.505(h))**  
 Question Text *Does the operator have records for initial qualification, retraining and reevaluation of individuals performing covered tasks?*  
 Assets Covered **86236 (1580)**
23. Question Result, ID, References **Sat, TQ.OO.OOPLANCONTRACTOR.P, 195.505(a) (195.505(f))**  
 Question Text *Does the OQ plan have a process to communicate the OQ plan requirements to contractors and ensure that contractors are following it?*  
 Assets Covered **86236 (1580)**
24. Question Result, ID, References **Sat, TQ.OO.OOCONTRACTOR.P, 195.505(b) (195.505(c), 195.505(d), 195.505(e), 195.505(f))**  
 Question Text *Are contractor organizations or other entities that perform covered tasks qualified?*  
 Assets Covered **86236 (1580)**

Result Notes **Safety West Coast supplies contractor personnel and is the OQ SME (subject matter expert) Verified, provisions have been established and documented to ensure qualification program requirements are followed by individuals.**

25. Question Result, ID, References **Sat, TQ.OQ.CONTRACTOREQUIV.P, 195.505(h)**  
Question Text *Does the OQ plan assure that procedures 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?*  
Assets Covered **86236 (1580)**  
Result Notes **They use Safety West Coast - verified the operator's plan has documentation assuring the procedures are based on the same or consistent with those used by Petrogas.**
26. Question Result, ID, References **Sat, TQ.OQ.OQCONTRACTOR.R, 195.507(a) (195.507(b))**  
Question Text *Are adequate records containing the required elements maintained for contractor personnel?*  
Assets Covered **86236 (1580)**  
Result Notes **Record are provided online by Safety West Coast**
27. Question Result, ID, References **Sat, TQ.OQ.OTHERENTITY.R, 195.505(b) (195.505(c), 195.503)**  
Question Text *If the operator employs other entities to perform covered tasks, such as mutual assistance, are adequate records containing the required elements maintained?*  
Assets Covered **86236 (1580)**
28. Question Result, ID, References **Sat, TQ.OQ.ABNORMAL.P, 195.503 (195.505(b))**  
Question Text *Does the OQ plan contain requirements to assure that individuals performing covered tasks are able to recognize and react to abnormal operating conditions (AOCs)?*  
Assets Covered **86236 (1580)**
29. Question Result, ID, References **Sat, TQ.OQ.ABNORMAL.R, 195.507(a) (195.507(b), 195.503)**  
Question Text *Do records indicate evaluation of qualified individuals for recognition and reaction to AOCs?*  
Assets Covered **86236 (1580)**
30. Question Result, ID, References **Sat, TQ.OQ.ABNORMAL.O, 195.503**  
Question Text *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions (AOCs)?*  
Assets Covered **86236 (1580)**
31. Question Result, ID, References **Sat, TQ.OQ.RECORDS.R, 195.507(a) (195.507(b))**  
Question Text *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?*  
Assets Covered **86236 (1580)**
32. Question Result, ID, References **Sat, TQ.OQ.PERFMONITOR.P, 195.505(d) (195.505(e))**  
Question Text *Does the OQ 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 covered tasks?*  
Assets Covered **86236 (1580)**
33. Question Result, ID, References **Sat, TQ.OQ.PERFMONITOR.R, 195.505(d) (195.505(e))**  
Question Text *Does the operator have records to demonstrate that they have evaluated individuals who may have contributed to an incident/accident while performing a covered task or where there is reason to believe that an individual may have no longer been qualified to perform a covered task?*  
Assets Covered **86236 (1580)**
34. Question Result, ID, References **Sat, TQ.OQ.OQPLAN.O, 195.505(h)**  
Question Text *Do individuals performing covered tasks demonstrate adequate skills and knowledge?*

Assets Covered 86236 (1580)

35. Question Result, ID, References Sat, TQ.OQ.MOC.P, 195.505(f)

Question Text *Does the OQ program identify how changes to procedures, 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)?*

Assets Covered 86236 (1580)

36. Question Result, ID, References Sat, TQ.OQ.CHANGENOTIFY.P, 195.505(i)

Question Text *Does the process require significant OQ program changes to be identified and the Administrator or State agency notified?*

Assets Covered 86236 (1580)

37. Question Result, ID, References Sat, TQ.OQ.CHANGERECD.R, 195.505(i) (195.505(f))

Question Text *Are records maintained for changes that affect covered tasks and significant OQ plan changes?*

Assets Covered 86236 (1580)

Result Notes **Records are kept in Revision Log.**

## TQ.QU: Qualification of Personnel - Specific Requirements

38. Question Result, ID, References Sat, TQ.QU.CORROSIONSUPERVISE.P, 195.402(c) (195.555, 195.505(h)) (also presented in: TD.CP)

Question Text *Are supervisors required to maintain a thorough knowledge of corrosion control procedures they are responsible for, and is it verified?*

Assets Covered 86236 (1580)

Result Notes **Verified.**

39. Question Result, ID, References Sat, TQ.QU.CORROSIONSUPERVISE.R, 195.589(c) (195.507(a), 195.507(b)) (also presented in: TD.CP)

Question Text *Is qualification of supervisors in corrosion control procedures documented?*

Assets Covered 86236 (1580)

40. Question Result, ID, References Sat, TQ.QU.CONTROLLER.P, 195.446(h) (195.505(b))

Question Text *Does the process establish, maintain, and review controller qualifications, abilities, and performance metrics, with particular attention to response to abnormal operating conditions?*

Assets Covered 86236 (1580)

41. Question Result, ID, References Sat, TQ.QU.CONTROLLER.R, 195.446(h) (195.507(a), 195.507(b))

Question Text *Is controller training and qualification documented?*

Assets Covered 86236 (1580)

42. Question Result, ID, References Sat, TQ.QU.CONTROLLER.O, 195.446(b) (195.446(c), 195.505(b))

Question Text *Do controllers demonstrate adequate skills and knowledge?*

Assets Covered 86236 (1580)

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

43. Question Result, ID, References Sat, TQ.QUOMCONST.INSPECTORQUAL.P, 195.204

Question Text *Does the process require personnel who conduct pipe or pipeline system construction inspections to be adequately trained and qualified?*

Assets Covered 86236 (1580)

Result Notes **Verified. Covered by Safety West Coast**

44. Question Result, ID, References **Sat, TQ.QUOMCONST.INSPECTORQUAL.R, 195.204**  
 Question Text *Do records indicate adequate qualification documentation for personnel who conduct pipe or pipeline system construction inspections? (TQ.QUOMCONST.INSPECTORQUAL.R) (detail)*  
 Assets Covered **86236 (1580)**
45. Question Result, ID, References **Sat, TQ.QUOMCONST.INSPECTORQUAL.O, 195.204**  
 Question Text *Does the inspector who ensures pipeline systems are installed per requirements demonstrate adequate skills and knowledge?*  
 Assets Covered **86236 (1580)**
46. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDER.P, 195.222(a) (195.222(b), Section 6 of API-1104, Section IX of ASME Boiler & Pressure Vessel Code, 195.214(a))**  
 Question Text *Does the process require welders to be qualified in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code?*  
 Assets Covered **86236 (1580)**
47. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDER.R, 195.222(a) (195.214(a), 195.222(b))**  
 Question Text *Do records indicate that welders are adequately qualified?*  
 Assets Covered **86236 (1580)**
48. Question Result, ID, References **Sat, TQ.QUOMCONST.WELDER.O, 195.222(a) (195.505(b), 195.214(a))**  
 Question Text *Do welders demonstrate adequate skills and knowledge?*  
 Assets Covered **86236 (1580)**

## **TQ.TRCNTRL: Training of Personnel - Dispatcher**

49. Question Result, ID, References **Sat, TQ.TRCNTRL.CNTRLTRAINING.P, 195.444 (195.446(e))**  
 Question Text *Does the process require that dispatchers are trained in the recognition of CPM alarms?*  
 Assets Covered **86236 (1580)**
50. Question Result, ID, References **Sat, TQ.TRCNTRL.CNTRLTRAINING1130.P, 195.444 (195.505(h))**  
 Question Text *Do the process require dispatcher training be provided in compliance with API-1130?*  
 Assets Covered **86236 (1580)**
51. Question Result, ID, References **Sat, TQ.TRCNTRL.CNTRLTRAINING.R, 195.444 (195.507(a), 195.507(b))**  
 Question Text *Is dispatcher training and qualification documented?*  
 Assets Covered **86236 (1580)**
52. Question Result, ID, References **Sat, TQ.TRCNTRL.CNTRLTRAINING.O, 195.444 (195.505(b))**  
 Question Text *Do dispatchers demonstrate adequate skills and knowledge?*  
 Assets Covered **86236 (1580)**

## **TQ.TRERP: Training of Personnel - Emergency Response**

53. Question Result, ID, References **Sat, TQ.TRERP.ERTRAINING.P, 195.403(a)(1)**  
 Question Text *Does emergency response training cover the emergency procedures established under 195.402?*  
 Assets Covered **86236 (1580)**
54. Question Result, ID, References **Sat, TQ.TRERP.ERHAZTRAINING.P, 195.403(a)(2)**  
 Question Text *Are the characteristics and hazards of the hazardous liquids or carbon dioxide transported covered in the ER training?*

Assets Covered 86236 (1580)

55. Question Result, ID, References Sat, TQ.TRERP.ERCONDITIONS.P, 195.403(a)(3)  
Question Text *Are conditions that are likely to cause emergencies, their consequences, and appropriate corrective action identified in the ER training?*  
Assets Covered 86236 (1580)
56. Question Result, ID, References Sat, TQ.TRERP.ERRELEASECONTROL.P, 195.403(a)(4)  
Question Text *Are the steps necessary to control any accidental release of hazardous liquid to minimize the potential for fire, explosion, toxicity, or environmental damage identified in the ER training?*  
Assets Covered 86236 (1580)
57. Question Result, ID, References Sat, TQ.TRERP.ERFIREPROT.P, 195.403(a)(5)  
Question Text *Are the potential causes, types, sizes, and consequences of fire and appropriate use of portable fire extinguishers and other on-site fire control equipment covered in the ER training?*  
Assets Covered 86236 (1580)  
Result Notes **Verified. This information is located in the Task Proficiency Checklist - RAO**
58. Question Result, ID, References Sat, TQ.TRERP.ERTRAININGRECORDS.R, 195.404(c ) (195.403(a))  
Question Text *Is training for emergency response personnel documented?*  
Assets Covered 86236 (1580)  
Result Notes **Verified. Located in the Emergency Roll List**
59. Question Result, ID, References Sat, TQ.TRERP.ERTRAINING.O, 195.403(a)  
Question Text *Do emergency response personnel demonstrate adequate skills and knowledge?*  
Assets Covered 86236 (1580)
60. Question Result, ID, References Sat, TQ.TRERP.ERTRAININGREVIEW.P, 195.403(b)  
Question Text *Does the process require review of emergency response personnel performance at the required frequency?*  
Assets Covered 86236 (1580)
61. Question Result, ID, References Sat, TQ.TRERP.ERTRAININGREVIEW.R, 195.404(c) (195.403(b))  
Question Text *Has review of emergency response personnel performance at the required frequency been documented?*  
Assets Covered 86236 (1580)
62. Question Result, ID, References Sat, TQ.TRERP.ERTRAININGSUPERVISE.P, 195.403(c)  
Question Text *Does the process require supervisors be trained on emergency response procedures for which they are responsible?*  
Assets Covered 86236 (1580)
63. Question Result, ID, References Sat, TQ.TRERP.ERTRAININGSUPERVISE.O, 195.403(c) (195.405)  
Question Text *Do emergency response supervisors demonstrate adequate skills and knowledge?*  
Assets Covered 86236 (1580)

## TQ.TROMCONST: Training of Personnel - O and M Construction

64. Question Result, ID, References Sat, TQ.TROMCONST.NDT.P, 195.234(b)(2)  
Question Text *Does the process require nondestructive testing of welds (for maintenance and construction) be performed by personnel trained and qualified in procedures and in use of the testing equipment?*  
Assets Covered 86236 (1580)

65. Question Result, ID, References Sat, TQ.TROMCONST.NDT.R, 195.234(b)(2)

Question Text *Is training for personnel, who perform nondestructive testing of welds, documented and demonstrated?*

Assets Covered 86236 (1580)

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Report Parameters: Results: all

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