|  | IM.HC.HCAID.P   | Sat+              | Sat             | Con       | Unsat             | NA                         | NC      |
|--|---|-------------------|-----------------|-----------|-------------------|----------------------------|---------|
| 192.905(a)   |   |                   |                 |           |                   |                            |         |
|  | ss include the methods defined in §<br>Consequence Area (2) to be applied<br>reas?  |                   |                 |           |                   |                            | h       |
| Notes  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
| 2.   | IM.HC.HCAID.R   | Sat+              | Sat             | Con       | Unsat             | NA                         | NC      |
|  | 907(a); 192.911(a))   | Jatt              | Jat             | 0011      | Onsat             | IVA                        | 140     |
|  |   | ooncoau           | opeo ere        | ac comp   | lated by D        | o o mahor                  | 17      |
|  | ication of pipeline segments in high<br>ance with process requirements?   | consequ           | ence are        | as comp   | leted by De       | ecember                    | 17,     |
|  | and thin process requirements.  |                   |                 |           |                   |                            |         |
| Notes  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
| 3.   | IM.HC.HCAPIR.P  | Sat+              | Sat             | Con       | Unsat             | NA                         | NC      |
| 192.903 (192.90  | 5(a))   |                   |                 |           |                   |                            |         |
| Is the process t   | for defining and applying potential i   | mpact ra          | dius (PH        | R) for es | tablishmen        | t of high                  | ,       |
|  | reas consistent with the requiremen   |                   |                 | 1) 101 03 | tablishinen       | it or riigi                | •       |
| Notes  | •   |                   |                 |           |                   |                            |         |
| Mores  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
|  |   |                   |                 |           |                   |                            |         |
| 4.   | IM.HC.HCAPIR.R  | Sat+              | Sat             | Con       | Unsat             | N A                        | NC      |
| <b>4</b> . 192.903 (192.90)  |   | Sat+              | Sat             | Con       | Unsat             | N A                        | N C     |
| 192.903 (192.90  |   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) <b>Do records indi</b>  | 5(a))   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with   | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) <b>Do records indi</b>  | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with   | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with   | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with   | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with   | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with   | cate use of potential impact radius   |                   |                 |           |                   |                            |         |
| 192.903 (192.90) Do records indi consistent with Notes   | (a)) cate use of potential impact radius requirements of §192.903?  | (PIR) for         | establis        | hment o   | f high cons       | equence                    | areas   |
| 192.903 (192.90) Do records indi consistent with Notes  5. 192.903 (192.90)  | (a)) cate use of potential impact radius requirements of §192.903?  | (PIR) for         | establis<br>Sat | hment o   | f high cons       | equence<br>N A             | e areas |
| 192.903 (192.90) Do records indiconsistent with Notes  5. 192.903 (192.90) Does the procethose buildings   | I M. HC. HCASITES. P  5(b)) ss for identification of identified site or outside areas meeting the criter  | (PIR) for<br>Sat+ | establis<br>Sat | Con       | f high cons Unsat | equence<br>N A<br>905(b) 1 | N C     |
| 192.903 (192.90) Do records indiconsistent with Notes  5. 192.903 (192.90) Does the procethose buildings   | cate use of potential impact radius requirements of §192.903?  I.M. H.C. H.C. A.S.I. T.E.S. P.  5(b))  ss for identification of identified site | (PIR) for<br>Sat+ | establis<br>Sat | Con       | f high cons Unsat | equence<br>N A<br>905(b) 1 | N C     |
| 192.903 (192.90) Do records indiconsistent with Notes  5. 192.903 (192.90) Does the procethose buildings   | I M. HC. HCASITES. P  5(b)) ss for identification of identified site or outside areas meeting the criter  | (PIR) for<br>Sat+ | establis<br>Sat | Con       | f high cons Unsat | equence<br>N A<br>905(b) 1 | N C     |
| Do records indiconsistent with Notes  5.  192.903 (192.90)  Does the proce those buildings of information in the control of th | I M. HC. HCASITES. P  5(b)) ss for identification of identified site or outside areas meeting the criter  | (PIR) for<br>Sat+ | establis<br>Sat | Con       | f high cons Unsat | equence<br>N A<br>905(b) 1 | N C     |
| Do records indiconsistent with Notes  5.  192.903 (192.90)  Does the proce those buildings of information in the control of th | I M. HC. HCASITES. P  5(b)) ss for identification of identified site or outside areas meeting the criter  | (PIR) for<br>Sat+ | establis<br>Sat | Con       | f high cons Unsat | equence<br>N A<br>905(b) 1 | N C     |

Page 1 of 21 06/18/2012

| 6.                                   | IM.HC.HCASITES.R  | Sat+      | Sat       | Con       | Unsat        | NA              | NC      |
|--------------------------------------|---|-----------|-----------|-----------|--------------|-----------------|---------|
| 192.903 (192.90                      | 5(b))   |           |           |           |              |                 |         |
| Do records indi                      | cate identification of identified sites                       | s being p | erforme   | d as requ | ired?        |                 |         |
| Notes                                |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
| <b>7</b> .                           | IM.HC.HCAMETHOD1.P  | Sat+      | Sat       | Con       | Unsat        | NΑ              | NC      |
| 192.903(1)(i) (19<br>192.903(1)(iv)) | 92.903(1)(ii); 192.903(1)(iii);                               |           |           |           |              |                 |         |
| , , , , ,                            | management process adominate form                             | onnlicati | on of C1  | 02 002 1  | liah Canaa   |                 |         |
|                                      | management process adequate for<br>or identification of HCAs? | аррисаті  | on or 8 i | 92.903 F  | iign consec  | quence <i>F</i> | irea    |
| Notes                                |   |           |           |           |              |                 |         |
| Notes                                |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
| 8.                                   | IM.HC.HCAMETHOD1.R  | Sat+      | Sat       | Con       | Unsat        | NA              | NC      |
| 192.903 (1)(i) (1<br>192.903(1)(iv)) | 92.903(1)(ii); 192.903(1)(iii);                               |           |           |           |              |                 |         |
| Do records indi                      | cate adequate application of the §1                           | 92.903 H  | igh Cons  | sequence  | Area defin   | ition (1)       | for the |
| identification o                     | f HCAs?   |           |           |           |              |                 |         |
| Notes                                |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
| 9.                                   | IM.HC.HCAMETHOD2.P  | Sat+      | Sat       | Con       | Unsat        | NA              | NC      |
| 192.903(2)(i) (19                    |   |           |           |           |              |                 |         |
|                                      | management process adequate for                               | applicati | on of §1  | 92.903 F  | liah Consec  | auence A        | rea     |
|                                      | or identification of HCAs?                                    |           |           |           | <b>.</b>     | ,               |         |
| Notes                                |   |           |           |           |              |                 |         |
| 110103                               |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           | I -       |           |              |                 |         |
| 10.                                  | IM.HC.HCAMETHOD2.R  | Sat+      | Sat       | Con       | Unsat        | NA              | NC      |
| 192.903(2)(i) (19                    |   |           |           |           |              |                 |         |
| Do records indi identification o     | cate adequate application of §192.9 f HCAs?                   | 903 High  | Consequ   | ence Are  | ea definitio | n (2) for       |         |
| Notes                                |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |
|                                      |   |           |           |           |              |                 |         |

Page 2 of 21 06/18/2012

| 11.                                     | IM.HC.HCANEW.P  | Sat+       | Sat       | Con        | Unsat         | NA        | NC      |
|---|---|------------|-----------|------------|---------------|-----------|---------|
| 192.905(c)                              |   |            |           |            |               |           |         |
|   | ess include a requirement for evalua<br>ent impacts a high consequence area |            | w inforn  | nation th  | nat may sho   | ow that a | a       |
| Notes                                   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
| 12.                                     | IM.HC.HCANEW.R  | Sat+       | Sat       | Con        | Unsat         | NA        | NC      |
| 192.905(c)                              | I W. HC. HCANE W. R   | заіт       | Jai       | COII       | Ulisat        | IVA       | IVC     |
|   | 6 ! . 6   |            | !!        |            |               |           |         |
|   | is of new information that may show<br>area being performed as required?    | that a pi  | peline se | egment i   | mpacts a n    | ıgn       |         |
|   | irea being performed as required:   |            |           |            |               |           |         |
| Notes                                   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
| 1.                                      | IM.BA.BAMETHODS.P   | Sat+       | Sat       | Con        | Unsat         | NA        | NC      |
|   | 2.921(a); 192.921(c); 192.921(h))   |            |           |            |               |           |         |
| . , ,                                   | ess include requirements for specifyi                                       | ing an acc | occmon    | t matha    | l(c) for one  | h cover   | nd      |
|   | is best suited for identifying anomali                                      |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
| Notes                                   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
| 2.                                      | IM.BA.BAMETHODS.R   | Sat+       | Sat       | Con        | Unsat         | NA        | NC      |
| 192.919(b) (192                         | 2.921(a); 192.921(c); 192.921(h))   |            |           |            |               |           |         |
| . , , , , , , , , , , , , , , , , , , , | ment method(s) specified for each of  | overed se  | ament t   | that is he | et suited f   | or identi | ifvina  |
|   | ociated with specific threats identific                                     |            |           |            | est suiteu i  | or identi | ilyiilg |
|   |   |            | 9         |            |               |           |         |
| Notes                                   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
| 3.                                      | IM.BA.BASCHEDULE.P  | Sat+       | Sat       | Con        | Unsat         | NA        | NC      |
| 192.917(c), (19                         | 2.919(c); 192.921(b))   |            |           |            |               |           |         |
|   |   |            |           |            |               |           |         |
| DOES THE RAD                            |   | leting the | asseser   | nent acti  | ivities for a | II cover  | -d      |
|   | process require a schedule for comp   | -          |           |            |               |           | ed      |
| segments and                            |   | -          |           |            |               |           | ed      |
|   | process require a schedule for comp   | -          |           |            |               |           | ed      |
| segments and                            | process require a schedule for comp   | -          |           |            |               |           | ed      |
| segments and                            | process require a schedule for comp   | -          |           |            |               |           | ed      |

Page 3 of 21 06/18/2012

| _   |   |           |                  |                |                       |               |        |
|---|---|-----------|------------------|----------------|-----------------------|---------------|--------|
| 4.  | IM.BA.BASCHEDULE.R  | Sat+      | Sat              | Con            | Unsat                 | NA            | NC     |
| 2.917(c) (19  | 2.919(c); 192.921)  |           |                  |                |                       |               |        |
|   | contain a schedule for completing ately considered the applicable ris ne process? |           |                  |                |                       |               | ents   |
| otes  |   |           |                  |                |                       |               |        |
|   |   |           |                  |                |                       |               |        |
|   | IM.BA.BAPRIOR.P   | Sat+      | Sat              | Con            | Unsat                 | NA            | NC     |
| 2.921(e)  | IW.BA.BAFRIOR.F   | Заіт      | Jai              | COII           | Ulisat                | IVA           | NC     |
| sociated re   | ess require that prior assessment medial actions to have been carrie              |           |                  |                |                       |               | ) and  |
| tes   |   |           |                  |                |                       |               |        |
|   |   |           |                  |                |                       |               |        |
|   |   |           |                  |                |                       |               |        |
|   | IM.BA.BAPRIOR.R   | Sat+      | Sat              | Con            | Unsat                 | NA            | NC     |
| 2.921(e)  | ·   |           |                  |                |                       |               |        |
|   | v of selected records, have prior as  |           |                  |                |                       |               | tod in |
| 192.921(a) a<br>192.933?  | and associated remedial actions to  |           |                  |                |                       |               | ted in |
| 192.921(a) :<br>192.933?<br>otes  | and associated remedial actions to  | have been | carried (        | out to ad      | dress condi           | itions lis    |        |
| 192.921(a) :<br>192.933?<br>otes  | I M.BA.BANEW.P  |           |                  |                |                       |               |        |
| 2.905(c) (19  | I M.BA.BANEW.P 2.921(f); 192.921(g)) sess include requirements for upda           | Sat+      | Sat              | Con            | Unsat                 | N A           | N C    |
| 2.905(c) (19<br>pes the processing installed  | I M.BA.BANEW.P 2.921(f); 192.921(g)) sess include requirements for upda           | Sat+      | Sat              | Con            | Unsat                 | N A           | N C    |
| 2.905(c) (19<br>pes the processing installed  | I M.BA.BANEW.P 2.921(f); 192.921(g)) sess include requirements for upda           | Sat+      | Sat              | Con            | Unsat                 | N A           | N C    |
| 192.921(a) a<br>192.933?<br>otes  | I M.BA.BANEW.P 2.921(f); 192.921(g)) sess include requirements for updated pipe?  | Sat+      | Sat<br>seline as | Con<br>sessmen | Unsat<br>t plan for n | N A<br>ew HCA | N C    |
| . (2.905(c) (19) oes the processores  | I M.BA.BANEW.P 2.921(f); 192.921(g)) tess include requirements for updated pipe?  | Sat+      | Sat              | Con            | Unsat                 | N A           | N C    |
| 192.921(a) a 192.933? otes  7. 02.905(c) (19 0es the proceeding installed otes  8. 02.905(c), (19   | I M.BA.BANEW.P 2.921(f); 192.921(g))  I M.BA.BANEW.R 22.921(f); 192.921(g))       | Sat+      | Sat<br>seline as | Con<br>sessmen | Unsat<br>t plan for n | N A<br>ew HCA | N C    |
| 192.921(a) a 192.933? otes  7. 02.905(c) (19 0es the procewly installed otes  8. 02.905(c), (19 02.905(c), (19 03.000)  | I M.BA.BANEW.P 2.921(f); 192.921(g)) tess include requirements for updated pipe?  | Sat+      | Sat<br>seline as | Con<br>sessmen | Unsat<br>t plan for n | N A<br>ew HCA | N C    |
| 192.921(a) a 192.933? otes  22.905(c) (19 oes the proceeding installed otes   | I M.BA.BANEW.P 2.921(f); 192.921(g))  I M.BA.BANEW.R 22.921(f); 192.921(g))       | Sat+      | Sat<br>seline as | Con<br>sessmen | Unsat<br>t plan for n | N A<br>ew HCA | N C    |
| 192.921(a) a 192.933?  otes  22.905(c) (19 oes the proceedings in the | I M.BA.BANEW.P 2.921(f); 192.921(g))  I M.BA.BANEW.R 22.921(f); 192.921(g))       | Sat+      | Sat<br>seline as | Con<br>sessmen | Unsat<br>t plan for n | N A<br>ew HCA | N C    |

Page 4 of 21 06/18/2012

| 9.                                    | IM.BA.BAENVIRON.P  | Sat+        | Sat        | Con       | Unsat       | NA         | NC         |
|---------------------------------------|--|-------------|------------|-----------|-------------|------------|------------|
| 192.911(m) (192.<br>2004, Section 11) | 911(o); 192.919(e); ASME B31.8S-                                     |             |            |           |             |            |            |
|                                       | s include requirements for conduct n a manner that minimizes environ |             |            |           | (baseline   | and        |            |
|                                       | Tra mariner triat minimizes environ                                  | illelitai a | iiu saiet  | y 113K3:  |             |            |            |
| Notes                                 |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
| 10.                                   | IM.BA.BAENVIRON.R  | Sat+        | Sat        | Con       | Unsat       | NA         | NC         |
| 192.911(m) (192.<br>2004, Section 11) | 11(o); 192.919(e); ASME B31.8S-                                      |             |            |           |             |            |            |
| From a review of                      | of selected records, have integrity a                                | ssessme     | nts (bas   | eline and | l reassessn | nent) be   | e <b>n</b> |
| conducted in a r                      | manner that minimizes environmen                                     | tal and s   | afety ris  | ks?       |             |            |            |
| Notes                                 |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
| 1                                     | IM.RA.THREATID.P   | Sat+        | c a t      | Con       | Unsat       | NA         | NC         |
| <b>1</b> . 192.917(a) (192.9          | 917(e); 192.913(b)(1); ASME B31.8S-                                  | 341+        | Sat        | COII      | Ulisat      | IVA        | INC        |
|                                       | and Section 5.10)  |             |            |           |             |            |            |
| Does the proces                       | s include requirements to identify ant?                              | and evalu   | ıate all p | otential  | threats to  | each cov   | ered       |
| Notes                                 |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
| 2.                                    | IM.RA.THREATID.R   | Sat+        | Sat        | Con       | Unsat       | NA         | NC         |
|                                       | 917(e); 192.913(b)(1); ASME B31.8S-and Section 5.10)                 |             |            |           |             |            |            |
|                                       | cate that all potential threats to each                              | h covere    | d pipelir  | ne segme  | nt have be  | en identi  | ified      |
| and evaluated?                        | •  |             |            |           |             |            |            |
| Notes                                 |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  | _           |            |           | I           |            |            |
| 3.                                    | I M.RA.RADATA.P<br>917(e)(1); 192.911(k); ASME B31.8S-               | Sat+        | Sat        | Con       | Unsat       | NA         | NC         |
| 1 ' ' '                               | 5.7(e), 11(a), 11(d), Appendix A)                                    |             |            |           |             |            |            |
|                                       | s include requirements to gather ex<br>levant to covered segments?   | xisting da  | ata and i  | nformati  | ion on the  | entire pip | oeline     |
| Notes                                 |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |
|                                       |  |             |            |           |             |            |            |

Page 5 of 21 06/18/2012

|  | IM.RA.RAINTEGRATE.P  | Sat+                  | Sat                                   | Con       | Unsat       | NA       | NC            |
|--|--|-----------------------|---------------------------------------|-----------|-------------|----------|---------------|
|  | 917(e)(1); 192.911(k); ASME B31.8S-5.7(e), 11(a), 11(d), Appendix A)   |                       |                                       |           |             |          |               |
| Does the proces  | s include requirements to integrate  |                       | data an                               | d inform  | ation on th | e entire |               |
|  | aid be relevant to covered segment   | 3:                    |                                       |           |             |          |               |
| Notes  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
| 5.   | IM.RA.RADATA.R   | Sat+                  | Sat                                   | Con       | Unsat       | NA       | NC            |
| , , ,  | 917(e)(1); 192.911(k); ASME B31.8S-5.7(e), 11(a), 11(d), Appendix A)   |                       |                                       |           |             |          |               |
| Is existing data   | and information on the entire pipe   | line that             | could be                              | relevan   | t to covere | d segmei | nts           |
| being adequatel  | y gathered?  |                       |                                       |           |             |          |               |
| Notes  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
| 6.   | IM.RA.RAINTEGRATE.R  | Sat+                  | Sat                                   | Con       | Unsat       | NA       | NC            |
|  | 917(e)(1); 192.911(k); ASME B31.8S-  | заіт                  | Sat                                   | COII      | Ulisat      | IVA      | IVC           |
|  | 5.7(e), 11(a), 11(d), Appendix A)  |                       |                                       |           |             |          |               |
| Is existing data being adequatel   | and information on the entire pipe y integrated?   | line that             | could be                              | relevan   | t to covere | d segmei | nts           |
| Notes  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
|  |  |                       |                                       |           |             |          |               |
| 7.   | I M.RA.RAMETHOD.P  | Sat+                  | Sat                                   | Con       | Unsat       | N A      | NC            |
| 192.917(c) (192.9  | 217(d); ASME B31.8S-2004, Section  | Sat+                  | Sat                                   | Con       | Unsat       | NA       | NC            |
| 192.917(c) (192.9<br>5.3, Section 5.4, S   | 117(d); ASME B31.8S-2004, Section<br>Section 5.5, Section 5.12)  |                       |                                       |           |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces  | of 17(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as   | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons  | 117(d); ASME B31.8S-2004, Section<br>Section 5.5, Section 5.12)  | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces  | of 17(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as   | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons  | of 17(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as   | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons  | of 17(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as   | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons  | of 17(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as   | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons<br>Notes   | 177(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12) s include requirements for a risk as iders the identified threats for each  | ssessmer<br>n covered | nt that fo                            | ollows AS | ME B31.8S   | -2004, S | ection        |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons<br>Notes   | of 17(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as   | ssessmer              | nt that fo                            | ollows AS |             |          |               |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons<br>Notes<br>8.<br>192.917(c) (ASME   | 177(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12) s include requirements for a risk asiders the identified threats for each   | ssessmer<br>n covered | nt that fo                            | ollows AS | ME B31.8S   | -2004, S | ection        |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons<br>Notes<br>8.<br>192.917(c) (ASME<br>3.3, Section 5.2, S<br>Does the proces                     | ITT(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as iders the identified threats for each ident | Sat+                  | s t that for segments and segments at | Con       | Unsat       | N A      | ection<br>N C |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons<br>Notes<br>8.<br>192.917(c) (ASME<br>3.3, Section 5.2, S<br>Does the proces<br>factors that cou | ITT(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as iders the identified threats for each identified identified threats for each identified id | Sat +                 | Sat  Ild affectuses, be               | Con       | Unsat       | N A      | ection<br>N C |
| 8. 192.917(c) (192.9 5.3, Section 5.4, S Does the proces 5, and that cons Notes  8. 192.917(c) (ASME 3.3, Section 5.2, S Does the proces factors that cou appropriate mar        | ITT(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as iders the identified threats for each ident | Sat +                 | Sat  Ild affectuses, be               | Con       | Unsat       | N A      | ection<br>N C |
| 192.917(c) (192.9<br>5.3, Section 5.4, S<br>Does the proces<br>5, and that cons<br>Notes<br>8.<br>192.917(c) (ASME<br>3.3, Section 5.2, S<br>Does the proces<br>factors that cou | ITT(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as iders the identified threats for each identified identified threats for each identified id | Sat +                 | Sat  Ild affectuses, be               | Con       | Unsat       | N A      | ection<br>N C |
| 8. 192.917(c) (192.9 5.3, Section 5.4, S Does the proces 5, and that cons Notes  8. 192.917(c) (ASME 3.3, Section 5.2, S Does the proces factors that cou appropriate mar        | ITT(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as iders the identified threats for each identified identified threats for each identified id | Sat +                 | Sat  Ild affectuses, be               | Con       | Unsat       | N A      | ection<br>N C |
| 8. 192.917(c) (192.9 5.3, Section 5.4, S Does the proces 5, and that cons Notes  8. 192.917(c) (ASME 3.3, Section 5.2, S Does the proces factors that cou appropriate mar        | ITT(d); ASME B31.8S-2004, Section Section 5.5, Section 5.12)  s include requirements for a risk as iders the identified threats for each identified identified threats for each identified id | Sat +                 | Sat  Ild affectuses, be               | Con       | Unsat       | N A      | ection<br>N C |

Page 6 of 21 06/18/2012

| 9.                        | IM.RA.RAFACTORS.R   | Sat+       | Sat       | Con       | Unsat        | NΑ        | NC     |
|---------------------------|---|------------|-----------|-----------|--------------|-----------|--------|
|                           | E B31.8S-2004, Section 3.1, Section Section 5.3, and Section 5.7)   |            |           |           |              |           |        |
| Is risk analysis segment? | data combined in an appropriate m                                   | anner to   | produce   | a risk va | alue for ead | h pipelii | ne     |
| Notes                     |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           | ı         |              |           |        |
| 10.                       | IM.RA.RAMOC.P   | Sat+       | Sat       | Con       | Unsat        | NA        | NC     |
| 192.917(c) (ASM<br>5.12)  | E B31.8S-2004, Section 5.4, 5.7, 5.11,                              |            |           |           |              |           |        |
|                           | ss provide for revisions to the risk ange on the pipeline segments? | ssessme    | nt if new | informa   | ition is obt | ained or  |        |
| Notes                     |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
| 11.                       | IM.RA.RAMOC.R   | Sat+       | Sat       | Con       | Unsat        | NA        | NC     |
| 192.917(c), (ASN          | ME B31.8S-2004, Section 5.4, 5.7,                                   |            |           |           |              |           |        |
| 5.11, 5.12)               |   |            |           |           |              |           |        |
|                           | ssessment revised as necessary as n                                 | ew inform  | mation is | obtaine   | d or condit  | ions cha  | nge on |
| the pipeline se           | gments?   |            |           |           |              |           |        |
| Notes                     |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
| 1.                        | AR.EC.ECDAPLAN.P  | Sat+       | Sat       | Con       | Unsat        | NA        | NC     |
| 192.925(a) (192           | .925(b))  |            |           |           |              |           |        |
| Is an adequate            | ECDA plan and process in place for                                  | conducti   | ng ECDA   | ?         |              |           |        |
| Notes                     |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
| 2.                        | AR.EC.ECDAINTEGRATION.  | P Sat+     | Sat       | Con       | Unsat        | NA        | NC     |
| 192.917(b) (B31           | .8S Section 4.5)  |            |           |           |              |           |        |
| Is the process            | for integrating ECDA results with otl                               | her inforr | mation a  | dequate   | ?            |           |        |
| Notes                     |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |
|                           |   |            |           |           |              |           |        |

Page 7 of 21 06/18/2012

| 3.                       | AR.EC.ECDAINTEGRATION.R  | Cat_      | Sat       | Con       | Unsat        | NA       | NC       |
|--------------------------|--|-----------|-----------|-----------|--------------|----------|----------|
| 192.917(b) (B31.8        |  | Jatr      | Jat       | 0011      | Onsat        | IVA      | 140      |
| From a review of         | of records, did the operator integrate                                 | e other d | ata/info  | rmation   | when eval    | uating   |          |
| data/results?            |  |           |           |           |              |          |          |
| Notes                    |  |           |           |           |              |          |          |
|                          |  |           |           |           |              |          |          |
| 4.                       | AR.EC.ECDAREGION.R   | Sat+      | Sat       | Con       | Unsat        | NA       | NC       |
| 192.925(b)(1) (NA        | ACE SP 0502 2008)  |           |           |           |              |          |          |
| From the review Regions? | of the results of selected integrity                                   | assessm   | ents, did | I the ope | erator ident | ify ECDA | <b>L</b> |
| Notes                    |  |           |           |           |              |          |          |
| 5.                       | AR.EC.ECDAPREASSESS.R  | Sat+      | Sat       | Con       | Unsat        | NA       | NC       |
|                          | ACE SP-0502-2008, Section 3.2)   | ou.,      | ou.       | 00        | onsu:        | 1471     |          |
| From the review          | of the results of selected integrity with NACE SP0502-2008 Section 3   |           | -         |           | CDA pre-as   | sessmen  | t        |
| Notes                    |  |           |           |           |              |          |          |
| 6.                       | AR.EC.ECDAINDIRECT.R   | Sat+      | Sat       | Con       | Unsat        | NA       | NC       |
|                          | ACE SP0502-2008, Section 4)  | Jatt      | Jat       | 0011      | Olisat       | IVA      | 140      |
| From the review          | of the results of selected integrity with NACE SP0502-2008 Section 4 a |           |           |           |              |          | tion     |
| Notes                    |  |           |           |           |              |          |          |
| 7.                       | AR.EC.ECDADIRECT.R   | Sat+      | Sat       | Con       | Unsat        | NA       | NC       |
| 192.925(b)(3) (NA 6.4.2) | ACE SP-0502-2008 Sections 5 and  |           |           |           |              |          |          |
|                          | of the results of selected integrity cordance with NACE SP0502-2008,   |           |           |           |              |          |          |
| Notes                    |  |           |           |           |              |          |          |

Page 8 of 21 06/18/2012

| 8.                                     | AR.EC.ECDAANALYSIS.R                         | Sat+      | Sat        | Con       | Unsat            | NΑ         | NC   |
|--|--|-----------|------------|-----------|------------------|------------|--|
| 192.925(b)(4) (19                      | 92.933(b); B31.8S Section 6.4)               |           |            |           |                  |            |  |
|  | of the results of integrity assessments      |           |            |           | ECDA data        | and othe   | er   |
| Notes                                  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
| 9.                                     | AR.EC.ECDAPOSTASSESS.R                       | Sat+      | Sat        | Con       | Unsat            | NA         | NC   |
| 192.925(b)(4) (N                       | ACE SP-0502-2002 Section 6.2)                |           |            |           |                  |            |  |
| From the review assessment?            | v of the results of selected integrity       | assessm   | ents, we   | ere requi | rements m        | et for po  | st   |
| Notes                                  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
| 10.                                    | AR.IC.ICDAPLAN.P                             | Sat+      | Sat        | Con       | Unsat            | NΑ         | NC   |
| 192.927(c) (192.9<br>Section 6.4 and A | 927(a); 192.927(b); ASME B31.8S, ppendix B2) |           |            |           |                  |            |  |
| Is an adequate                         | ICDA plan and process in place for o         | onductir  | ng ICDA?   | •         |                  |            |  |
| Notes                                  |  |           |            |           |                  |            |  |
| 110103                                 |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
| 11.                                    | AR.IC.ICDAINTEGRATION.P                      | Sat+      | Sat        | Con       | Unsat            | NA         | NC   |
| 192.917(b) (B31.                       |  |           |            |           |                  |            |  |
| Is the process f                       | or integrating ICDA results with oth         | er inforn | nation a   | dequate?  | ,                |            |  |
| Notes                                  |  |           |            |           |                  |            |  |
| lactes                                 |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
| 12.                                    | AR.IC.ICDAINTEGRATION.R                      | Sat +     | Sat        | Con       | Unsat            | NA         | NC   |
| 192.917(b) (B31.8                      |  | July      | Jat        | 3011      | Jugar            |            | 140  |
|  | of records, were other data/informa          | tion inte | urated w   | hen eva   | ⊥<br>luating dat | a/result   | s?   |
|  |  |           | g. a.ca vi | cii cva   | atmig dat        | a, i couit | <u>.                                    </u> |
| Notes                                  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |
|  |  |           |            |           |                  |            |  |

Page 9 of 21 06/18/2012

| 13.              | AR.IC.ICDAREGION.R  | Sat+    | Sat       | Con       | Unsat        | NA       | NC     |
|------------------|---|---------|-----------|-----------|--------------|----------|--------|
| 192.927(c)(2) (1 |   | Заст    | Jat       | COII      | Ulisat       | IVA      | 140    |
| From the review  | w of the results of selected integrity                        | assessm | ents, we  | ere ICDA  | Regions a    | dequate  | у      |
| identified?      |   |         |           |           |              |          |        |
| Notes            |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
| 14.              | AR.IC.ICDAPREASSESS.R   | Sat+    | Sat       | Con       | Unsat        | NA       | NC     |
| 192.927(c)(1) (B | 31.8S Appendix A2)  |         |           |           |              |          |        |
| From the review  | w of the results of selected integrity                        | assessm | ents, we  | re the r  | eguirement   | s met fo | or an  |
| ICDA pre-asses   |   |         | ·         |           | •            |          |        |
| Notes            |   |         |           |           |              |          |        |
| Notes            |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
| 15.              | AR.IC.ICDADIRECT.R  | Sat+    | Sat       | Con       | Unsat        | NA       | NC     |
| 192.927(c)(3) (1 | 92.927(c)(5))   |         |           |           |              |          |        |
| From the review  | w of the results of selected integrity                        | assessm | ents, we  | ere sites | identified v | where in | ternal |
| corrosion may l  | be present?   |         |           |           |              |          |        |
| Notes            |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  | 15 16 165 14 NAI VOIG 5                                       |         |           |           |              |          |        |
| 16.              | AR.IC.ICDAANALYSIS.R  | Sat+    | Sat       | Con       | Unsat        | NA       | NC     |
|                  | 3(b); B31.8S Section 6.4, Appendix A2                         |         |           |           |              |          |        |
| and Appendix B2) |   | _       |           |           |              |          |        |
|                  | w of the results of integrity assessm                         |         |           |           | ICDA data    | and oth  | er     |
| information ade  | equate to identify internal corrosion                         | inreats | to the pi | beline.   |              |          |        |
| Notes            |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
| 17.              | AR.IC.ICDAPOSTASSESS.R  | Sat+    | Sat       | Con       | Unsat        | NA       | NC     |
|                  | (192.927(c)(4)(ii))   | - Cuti  | Jut       | 00        | Giraut       | 1471     | 110    |
|                  |   | 200000  | onte dia  | the or    | rator acce   | se tha   |        |
|                  | w of the results of selected integrity<br>f the ICDA process? | assessm | ents, ald | i the ope | ator asses   | ss the   |        |
|                  | i die roba process:   |         |           |           |              |          |        |
| Notes            |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |
|                  |   |         |           |           |              |          |        |

Page 10 of 21 06/18/2012

|  |  |  |          | _        |          |          |          |       |
|--|--|--|----------|----------|----------|----------|----------|-------|
| 18.  | AR.SCC.SCCDADATA.R   | Sat+   | Sat      | Co       | n Un     | sat      | NA       | NC    |
| 192.929(b)(1) (  | B31.8S Appendix A3.2)  |  |          |          |          |          |          |       |
| From the review  | ew of the results of selected integrity                                  | assessn                                      | nents, v | were da  | ta colle | cted and | d evalua | ated? |
| Notes  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
| 19.  | AR.SCC.SCCDAPLAN.P   | Sat+   | Sat      | Col      | n Un     | sat      | NA       | NC    |
|  | 1.8S Appendix A3)  |  |          |          |          |          |          |       |
|  | e plan developed for performing SCC                                      | DA. if the                                   | e condi  | tions fo | r SCC w  | ere pres | sent?    |       |
| Notes  | - Press according to the pressuring of the                               |  |          |          |          |          |          |       |
| Notes  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
| 20.  | AR.SCC.SCCDAMETHOD.R   | Sat+   | Sat      | Со       | n Un     | sat      | NA       | NC    |
| 192.929(b)(2) (  | B31.8S Appendix A3)  |  |          |          |          |          |          |       |
|  | ew of the results of selected integrity                                  |  |          |          | operato  | r perfor | m an     |       |
| assessment u   | sing one of the methods specified in l                                   | B31.8S A                                     | ppendi   | x A3?    |          |          |          |       |
| Notes  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
| 21.  | AR.SCC.SCCDANEARNEUTRA   | L.R Sa                                       | t +   S  | Sat (    | Con l    | Jnsat    | NA       | NC    |
| 192.929(b)(2)  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                                  |  |          |          |          |          | 1471     |       |
|  | ew of the results of selected integrity                                  | assessn                                      | nents, \ | was the  | pipelin  | e evalua | ated for | near  |
| Notes  |  |  |          |          |          |          |          |       |
| Notes  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
| 22.  | AR.SCC.SCCDAREASSESSINT  | RVL.R  | Sat+     | Sat      | Con      | Unsat    | NA       | NC    |
| 192.939(a)(3)  |  |  |          |          |          |          |          |       |
|  | ew of the results of selected integrity interval based on SCCDA results? | assessn                                      | nents, d | did the  | operato  | r detern | nine a   |       |
| Notes  |  |  |          |          |          |          |          |       |
| Notes  |  |  |          |          |          |          |          |       |
| 4  | AD DO DICCOVEDY D  | C - +  | C        |          | _        |          | N. C     | NI O  |
| <b>1</b> . 192.933(b)  | AR.RC.DISCOVERY.P  | Sat+   | Sat      | Co       | n Un     | sat      | NA       | NC    |
|  |  | <u>.                                    </u> |          |          |          |          |          |       |
| Does the integ   | rity assessment process properly de                                      | Tine disc                                    | overy a  | na the   | require  | a time f | rame?    |       |
| Notes  |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |
| T. Control of the Con |  |  |          |          |          |          |          |       |
|  |  |  |          |          |          |          |          |       |

Page 11 of 21 06/18/2012

| 2.                        | AR.RC.SCHEDULE.R                      | Sat+      | Sat       | Con       | Unsat        | NA        | NC      |
|---------------------------|---------------------------------------|-----------|-----------|-----------|--------------|-----------|---------|
| 192.933(c) (ASME          | E B31.8S, Section 7)                  |           |           |           |              |           |         |
| From the review schedule? | v of the results of integrity assessm | ents, did | the ope   | rator de  | velop a prid | oritized  |         |
| Notes                     |                                       |           |           |           |              |           |         |
| litotes                   |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
| 3.                        | AR.RC.IMPRC.P                         | Sat+      | Sat       | Con       | Unsat        | NA        | NC      |
| 192.911(e) (192.9         | 933(c); 192.933(d))                   |           |           |           |              |           |         |
| Do the operator           | 's Integrity Management Plan and/     | or mainte | enance p  | rocesse   | s include a  | ll of the |         |
| §192.933 repair           |                                       |           | •         |           |              |           |         |
| Notes                     |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
| 4.                        | AR.RC.DEFECTCAT.R                     | Cat.      | S a +     | Con       | Unsat        | NA        | NC      |
|                           | 933(b); 192.933(c))                   | Sat+      | Sat       | COII      | Ulisat       | IVA       | NC      |
|                           |                                       |           |           |           |              | !         |         |
| discovered?               | v of the results of integrity assessm | ients, we | re all de | rects pro | perly categ  | gorizea o | r       |
|                           |                                       |           |           |           |              |           |         |
| Notes                     |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
| 5.                        | AR.RC.PRESSREDUCE.R                   | Sat+      | Sat       | Con       | Unsat        | NA        | NC      |
| 192.933(a)                |                                       |           |           |           |              |           |         |
|                           | v of the results of integrity assessm |           |           |           |              |           |         |
| promptly taken            | for each Immediate Repair condition   | on or whe | n a repa  | ir sched  | ule could n  | ot be me  | t?      |
| Notes                     |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
| 6.                        | AR.RC.METHOD.R                        | Sat+      | Sat       | Con       | Unsat        | NA        | NC      |
| 192.933(a)                | AK.KO.WETHOD.K                        | Jatt      | Jat       | 0011      | Onsat        | IVA       | 140     |
|                           | v of the results of integrity assessm | onte ict  | he roma   | diation o | necified in  | the price | ritizad |
|                           | ate to ensure the integrity assessm   |           |           |           |              |           |         |
| Notes                     |                                       |           |           |           |              |           |         |
| Mores                     |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |
|                           |                                       |           |           |           |              |           |         |

Page 12 of 21 06/18/2012

| 7.   | AR.RC.CRITERIA.P  | Sat+      | Sat       | Con       | Unsat      | NA      | NC   |
|--|---|-----------|-----------|-----------|------------|---------|------|
| 192.933(c)   |   |           |           |           |            |         |      |
| Does the repair  | process cover all of the elements for   | or making | j repairs | in cover  | ed segmer  | nts?    |      |
| Notes  |   |           |           |           |            |         |      |
|  | A D. D.O. COLLED III ELMBL. D.  | 0 - 1     | 0 - 1     | 0         | 11         | 21.0    | NI O |
| 8.   | AR.RC.SCHEDULEIMPL.R<br>E B31.8S Section 7)   | Sat+      | Sat       | Con       | Unsat      | NA      | NC   |
| From the review  | of the results of integrity assessm<br>for dispositioned (i.e., repair, press<br>datory time limits of §192.933(d)? |           |           |           |            |         |      |
| Notes  |   |           |           |           |            |         |      |
| 1.   | IM.CA.PERIODICEVAL.P  | Sat+      | Sat       | Con       | Unsat      | NA      | NC   |
|  | 917(a); 192.917(b); 192.917(c);   | 3411      | Jut       | 0011      | Onsut      | ITA     | 140  |
|  | is include requirements for a period risk assessment to identify the threats?                                       |           |           |           |            |         |      |
| Notes  |   |           |           |           |            |         |      |
| 2  | IM CA DEDIODICEVAL D  | Sat .     | S a t     | Con       | Unsat      | NI A    | NC   |
| <b>2</b> . 192.937(b) (192.917(d); 192.917(d); 192.917 | IM.CA.PERIODICEVAL.R<br>  917(a); 192.917(b); 192.917(c);   | Sat+      | Sat       | Con       | Unsat      | NA      | NC   |
| Have periodic e  | valuations of pipeline integrity beer<br>dentify the threats specific to each                                       |           |           |           |            |         |      |
|  |   |           |           |           |            |         |      |
|  |   |           |           |           |            |         |      |
| 3.   | IM.CA.REASSESSMETHOD.P  | Sat+      | Sat       | Con       | Unsat      | NA      | NC   |
| 192.937(c) (192.9<br>Is the approach<br>§192.937(c)?   | for establishing reassessment metl  | hod(s) co | onsisten  | t with th | e requirem | ents in |      |
| Notes  |   |           |           |           |            |         |      |

Page 13 of 21 06/18/2012

| 4.                     | IM.CA.REASSESSMETHOD.R  | Sat+      | Sat       | Con       | Unsat        | NA        | NC       |
|------------------------|---|-----------|-----------|-----------|--------------|-----------|----------|
| 192.937(c) (192.9      | 931)  |           |           |           |              |           |          |
|                        | ch for establishing the reassessment ements in §192.937(c) and as require         |           | been pe   | rformed   | in a manne   | er consis | stent    |
| Notes                  |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        | IM.CA.LOWSTRESSREASSESS   | .P Sat    | + Sat     | Con       | Unsat        | NA        | NC       |
|                        | 941(b); 192.941(c))   |           |           |           |              |           |          |
|                        | ss include requirements for the "low s<br>r internal corrosion for pipelines oper |           |           |           |              | dress th  | reats of |
| Notes                  | internal corrosion for pipelines oper   | ating at  | DCIOW 3   | 0 70 SWI  | J.           |           |          |
| Notes                  |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
| 6.                     | IM.CA.LOWSTRESSREASSESS   | R Sat     | + Sat     | Con       | Unsat        | NA        | NC       |
|                        | 941(b); 192.941(c))   | . K Jut   | Ju        |           | Just         | 1474      | 140      |
|                        | ntation of "low stress reassessment"  | method    | to addre  | ess threa | ats of exter | nal and   | or       |
| •                      | on adequate and being performed as  |           |           |           |              |           | ·.       |
| Notes                  |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
| 7.                     | IM.CA.REASSESSINTERVAL.P  | Sat+      | Sat       | Con       | Unsat        | NA        | NC       |
|                        | 939(a); 192.939(b); 192.913(c); ASME  |           |           |           |              |           |          |
| B31.8S-2004, Sed       |   |           |           |           |              |           |          |
| Is the process f 2004? | or establishing the reassessment inte   | ervals co | onsistent | with §1   | 92.939 and   | I ASME I  | 331.8S-  |
|                        |   |           |           |           |              |           |          |
| Notes                  |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
| 8.                     | IM.CA.REASSESSINTERVAL.R  | Cat.      | Sat       | Con       | Unsat        | NA        | NC       |
|                        | 939(a); 192.939(b); 192.913(c); ASME  | Sal+      | Sat       | COII      | Ulisat       | IVA       | INC      |
| B31.8S-2004, Sec       |   |           |           |           |              |           |          |
|                        | nent intervals been established in a m  | anner o   | onsister  | t with §  | 192.939 an   | d ASME    |          |
| B31.8S-2004 as         | required?   |           |           |           |              |           |          |
| Notes                  |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |
|                        |   |           |           |           |              |           |          |

Page 14 of 21 06/18/2012

| 9.                               | IM.CA.REASSESSEXCPERF.P                        | Sat+      | Sat      | Con        | Unsat      | NA       | NC     |
|----------------------------------|--|-----------|----------|------------|------------|----------|--------|
| 192.913(a) (192.9<br>2004)       | 913(b); 192.913(c); ASME B31.8S-               |           |          |            |            |          |        |
| Does the proces                  | s include requirements for deviation formance? | ns from r | eassess  | ment rec   | uirements  | based o  | n      |
| Notes                            |  |           |          |            |            |          |        |
| 10.                              | IM.CA.REASSESSEXCPERF.R                        | Sat+      | Sat      | Con        | Unsat      | NA       | NC     |
| 192.913(a) (192.9<br>2004)       | 913(b); 192.913(c); ASME B31.8S-               |           |          |            |            |          |        |
| Have deviations handled, if appl | from reassessment requirements bicable?        | ased on   | exceptio | nal perfo  | ormance be | een adeo | uately |
| Notes                            |  |           |          |            |            |          |        |
| 11.                              | IM.CA.REASSESSWAIVER.P                         | Sat+      | Sat      | Con        | Unsat      | NA       | NC     |
| 192.943(a) (192.9                | 943(b))  |           |          |            |            |          |        |
| Does the proces                  | s include requirements for reassess            | ment int  | erval wa | ivers?     |            |          |        |
| Notes                            |  |           |          |            |            |          |        |
| 12.                              | IM.CA.REASSESSWAIVER.R                         | Sat+      | Sat      | Con        | Unsat      | NA       | NC     |
| 192.943(a) (192.9                | 943(b))  |           |          |            |            |          |        |
| Have reassessm                   | nent interval waivers been adequate            | ly implei | mented,  | if applica | able?      |          |        |
| Notes                            |  |           |          |            |            |          |        |
| 1.                               | AR.CDA.CDAPLAN.P                               | Sat+      | Sat      | Con        | Unsat      | NA       | NC     |
| 192.931 (192.931<br>192.931(d))  | (a); 192.931(b); 192.931(c);                   |           |          |            |            |          |        |
| Is an adequate                   | Confirmatory Direct Assessment Pla             | n in plac | e?       |            |            |          |        |
| Notes                            |  |           |          |            |            |          |        |

Page 15 of 21 06/18/2012

| 2  | AR.CDA.CDAEXTCORR.R   | Cat.       | Cat       | Con       | Umaat        | NA         | NC       |
|--|---|------------|-----------|-----------|--------------|------------|----------|
| <b>2</b> . 192.931(b)  | AR.CDA.CDAEXICORR.R   | Sat+       | Sat       | COII      | Unsat        | IVA        | INC      |
|  | w of the results of selected integrity                                      | assessm    | ients, wa | as the ex | ternal corr  | osion pla  | an       |
|  | mented?   |            |           |           |              |            |          |
| Notes  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
| 3.   | AR.CDA.CDAINTCORR.R   | Sat+       | Sat       | Con       | Unsat        | NA         | NC       |
| 192.931(c)   |   |            |           |           |              |            |          |
| From the review properly imple   | w of the results of selected integrity<br>mented?                           | assessm    | ients, wa | as the in | ternal corro | osion pla  | ın       |
| Notes  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
| 4.   | AR.CDA.CDAINDICATION.R  | Sat+       | Sat       | Con       | Unsat        | NA         | NC       |
| 192.931(d)   |   |            |           |           |              |            |          |
|  | w of the results of selected integrity                                      | assessm    | ents. wa  | s the ne  | ed to accel  | erate th   | e next   |
| assessment ev  | 5 5   | 400000     |           |           |              |            | 0 110111 |
| Notes  |   |            |           |           |              |            |          |
| litotes  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
| 1.   | IM.PM.PMMGENERAL.P  | Sat+       | Sat       | Con       | Unsat        | NA         | NC       |
| 192.935(a)   | IW.I W.I WWOERERAE.I  | Juti       | Jut       | 0011      | Onsat        | 1474       | 140      |
|  | ess include requirements to identify a                                      | additiona  | l measu   | res to nr | event a nin  | olino fai  | luro     |
| and to mitigate  | the consequences of a pipeline fail   | ire in a h | igh cons  | equence   | e area?      | ciiric rai | idic     |
| Notes  |   |            | <u> </u>  | <u> </u>  |              |            |          |
| Notes  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
|  |   |            |           |           |              |            |          |
| ^  | IM DM DMMGENEDAL D  | C - 1      | C - 1     | 0         | 11           | BI A       | NI O     |
| 2.   | IM.PM.PMMGENERAL.R  | Sat+       | Sat       | Con       | Unsat        | NA         | NC       |
| 192.935(a)   |   |            |           |           |              |            |          |
| 192.935(a)  Have additiona required by Parent Paren | Il measures been identified and implort 192 to prevent a pipeline failure a | emented    | (or sche  | eduled) b | eyond thos   | se alread  | dy       |
| 192.935(a)<br>Have additiona   | Il measures been identified and implort 192 to prevent a pipeline failure a | emented    | (or sche  | eduled) b | eyond thos   | se alread  | dy       |
| 192.935(a)  Have additiona required by Pa  | Il measures been identified and implort 192 to prevent a pipeline failure a | emented    | (or sche  | eduled) b | eyond thos   | se alread  | dy       |
| 192.935(a)  Have additiona required by Parailure in an HC  | Il measures been identified and implort 192 to prevent a pipeline failure a | emented    | (or sche  | eduled) b | eyond thos   | se alread  | dy       |
| 192.935(a)  Have additiona required by Parafailure in an HC  | Il measures been identified and implort 192 to prevent a pipeline failure a | emented    | (or sche  | eduled) b | eyond thos   | se alread  | dy       |

Page 16 of 21 06/18/2012

| 3.   |   |              |           |           |              |           |               |
|--|---|--------------|-----------|-----------|--------------|-----------|---------------|
|  | IM.PM.PMMTPD.P  | Sat+         | Sat       | Con       | Unsat        | NA        | NC            |
| 92.917(e)(1) (1  | 92.935(b)(1); 192.935(e))   |              |           |           |              |           |               |
| lamage be add  | ntive and mitigative process inclu<br>ressed? (Note: A subset of these of<br>YS - See IM.PM.PMMTPDSMYS.P)       |              |           |           |              |           |               |
| lotes  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
| 4.   | IM.PM.PMMTPD.R  | Sat+         | Sat       | Con       | Unsat        | NA        | NC            |
|  | 92.935(b)(1); 192.935(e))   |              | -         |           |              |           |               |
| as P&MM bee  | n implemented regarding threats   | due to third | d party d | lamage a  | s required   | by the p  | rocess        |
| otes   |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
| 5.   | IM.PM.PMMTPDSMYS.P  | Sat+         | Sat       | Con       | Unsat        | NA        | NC            |
| 2.935(d) (192.   | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| oes the proce perating below   | ss include requirements for prevent 30% SMYS?   | ntive and n  | nitigativ | e require | ements for p | pipelines | 5             |
| lotes  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  |   |              |           |           |              |           |               |
|  | IM.PM.PMMTPDSMYS.R  | Sat+         | Sat       | Con       | Unsat        | N A       | NC            |
|  | IM.PM.PMMTPDSMYS.R<br>935(e); 192 Table E.II.1)   | Sat+         | Sat       | Con       | Unsat        | NA        | N C           |
| 92.935(d) (192.  |   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive   | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive<br>s required?  | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive<br>s required?  | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive<br>s required?  | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive<br>s required?  | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive<br>s required?  | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>re preventive<br>s required?<br>lotes   | 935(e); 192 Table E.II.1)  and mitigative requirements for p  | ipelines op  | perating  | below 30  | 0% SMYS b    | eing per  | formed        |
| 92.935(d) (192.<br>re preventive<br>s required?<br>lotes   | 935(e); 192 Table E.II.1)   |              |           |           |              |           |               |
| 92.935(d) (192.<br>are preventive<br>s required?<br>lotes<br>7.  | 935(e); 192 Table E.II.1)  and mitigative requirements for p  | ipelines op  | perating  | below 30  | 0% SMYS b    | eing per  | formed<br>N C |
| 92.935(d) (192.<br>Are preventive<br>is required?<br>Notes<br>7.<br>92.935(b)(2)<br>Does the proce                   | 935(e); 192 Table E.II.1)  and mitigative requirements for p  | ipelines op  | perating  | below 30  | 0% SMYS b    | eing per  | formed<br>N C |
| re preventive<br>is required?<br>lotes<br>7 .<br>92.935(b)(2)<br>Does the proce<br>loods, unstable                   | 935(e); 192 Table E.II.1)  and mitigative requirements for p  I M.PM.PMMOF.P  ss adequately address significant | ipelines op  | perating  | below 30  | 0% SMYS b    | eing per  | formed<br>N C |
| g2.935(d) (192.<br>are preventive<br>s required?<br>lotes<br>7.<br>92.935(b)(2)<br>loes the proce<br>loods, unstable | 935(e); 192 Table E.II.1)  and mitigative requirements for p  I M.PM.PMMOF.P  ss adequately address significant | ipelines op  | perating  | below 30  | 0% SMYS b    | eing per  | formed<br>N C |
| 92.935(d) (192.<br>are preventive<br>s required?<br>lotes<br>7.<br>92.935(b)(2)<br>Does the proce                    | 935(e); 192 Table E.II.1)  and mitigative requirements for p  I M.PM.PMMOF.P  ss adequately address significant | ipelines op  | perating  | below 30  | 0% SMYS b    | eing per  | formed<br>N C |

Page 17 of 21 06/18/2012

| 8.                             | IM.PM.PMMOF.R   | Sat+       | Sat       | Con       | Unsat        | NA       | NC      |
|--------------------------------|---|------------|-----------|-----------|--------------|----------|---------|
| 192.935(b)(2)                  |   |            |           |           |              |          |         |
| Are significant being adequate | threats due to outside force (e.g., e.<br>ly addressed?                   | arth mov   | ement, f  | loods, ui | nstable sus  | pension  | bridge) |
| Notes                          |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
| 9.                             | IM.PM.PMMCORR.P   | Sat+       | Sat       | Con       | Unsat        | NA       | NC      |
| 192.917(e)(5)                  |   |            |           |           |              |          |         |
| Does the procesthreats?        | ss adequately account for taking red                                      | quired ac  | tions to  | address   | significant  | corrosio | n       |
| Notes                          |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
| 10.                            | IM.PM.PMMCORR.R   | Sat+       | Sat       | Con       | Unsat        | NA       | NC      |
| 192.917(e)(5)                  |   |            |           |           |              |          |         |
| Are required ac                | tions being taken to address signific                                     | cant corr  | osion thi | reats as  | required?    |          |         |
| Notes                          |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
| 11.                            | IM.PM.PMMASORCV.P   | Sat+       | Sat       | Con       | Unsat        | NA       | NC      |
| 192.935(c)                     |   |            |           |           |              |          |         |
|                                | ss include requirements to decide if ficient means of adding protection t |            |           |           |              |          |         |
| Notes                          | 5.  | •          |           |           | · ·          |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
| 12.                            | IM.PM.PMMASORCV.R   | Sat+       | Sat       | Con       | Unsat        | NA       | NC      |
| 192.935(c)                     | I W. F WI. F WIWAGORCV. R   | Satt       | Sat       | COII      | Ulisat       | NA       | NC      |
|                                | e determination been made to dete   | rmine if a | utomati   | c shut-o  | ff valves or | remote   | control |
|                                | nt an efficient means of adding prote                                     |            |           |           |              |          |         |
| Notes                          |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |
|                                |   |            |           |           |              |          |         |

Page 18 of 21 06/18/2012

| I. IM.QA.IMPERFMEAS.P  | Sat+        | Sat            | Con      | Unsat        | NA          | NC       |
|--|-------------|----------------|----------|--------------|-------------|----------|
| 92.945(a) (192.913(b); 192.951; ASME B31.8S-2004 ection 12(b)(5))  |             |                |          |              |             |          |
| loes the process include requirements for measur<br>ffectiveness?  | ring and r  | eporting       | integrit | y managem    | ent prog    | gram     |
| lotes  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
| 2. IM.QA.IMPERFMEAS.R  | Sat+        | Sat            | Con      | Unsat        | NA          | NC       |
| 92.945(a) (192.913(b); 192.951; ASME B31.8S-2004 ection 12(b)(5))  |             |                |          |              |             |          |
| las the IMP effectiveness been adequately measu  | red and r   | eported        | as appli | cable, to Pl | HMSA?       |          |
| lotes  |             |                |          |              |             |          |
| otes .   |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
| 1  | 0-1         | 0 - 1          | 0        |              | <b>N.</b> A | NI O     |
| 1.   I M.QA.RECORDS.P<br>92.947(a) (192.947(b); 192.947(c); 192.947(d);  | Sat+        | Sat            | Con      | Unsat        | NA          | NC       |
| 92.947(a) (192.947(b), 192.947(c), 192.947(d), 92.947(e); 192.947(f); 192.947(g); 192.947(h);  |             |                |          |              |             |          |
| 92.947(i); 192.911(n); ASME B31.8S-2004 Sections   |             |                |          |              |             |          |
| 2.1, 12.2(b)(1))   |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
| s the process adequate to assure that required re  | ecords are  | mainta         | ned for  | ne usetui ii | ite of the  | <b>)</b> |
| pipeline?  |             |                |          |              |             |          |
| Neteo  |             |                |          |              |             |          |
| Notes  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
| 2 IM OA DECORDS D  | Cot.        | Cat            | Con      | Unsat        | NI A        | N.C      |
| 2.   I M.QA.RECORDS.R  | Sat+        | Sat            | Con      | Unsat        | NA          | NC       |
| 92.947(a) (192.947(b); 192.947(c); 192.947(d);   |             |                |          |              |             |          |
| 92.947(e); 192.947(f); 192.947(g); 192.947(h);   |             |                |          |              |             |          |
| 92.947(i); ASME B31.8S-2004 Sections 12.1,   |             |                |          |              |             |          |
|  |             |                |          |              |             |          |
|  | E           | <b>.</b>       | lin a O  |              |             |          |
|  | ful life of | the pipe       | line?    |              |             |          |
| Are required records being maintained for the use  | ful life of | the pipe       | line?    |              |             |          |
| Are required records being maintained for the use  | ful life of | the pipe       | line?    |              |             |          |
| Are required records being maintained for the use  | ful life of | the pipe       | line?    |              |             |          |
| Are required records being maintained for the use  | ful life of | the pipe       | line?    |              |             |          |
| Are required records being maintained for the use  | ful life of | the pipe       | line?    |              |             |          |
| Are required records being maintained for the use Notes  |             |                |          |              | N.A         | No.      |
| Are required records being maintained for the use Notes  1. IM.QA.IMMOC.P  | ful life of | the pipe       | line?    | Unsat        | N A         | NC       |
| Are required records being maintained for the use Notes  1. IM.QA.IMMOC.P  |             |                |          | Unsat        | N A         | NC       |
| I M.QA.IMMOC.P 92.909(a) (192.909(b); 192.911(k)) Are the processes for management of changes to   | Sat+        | Sat            | Con      |              |             |          |
| Are required records being maintained for the use Notes  1. IM.QA.IMMOC.P 92.909(a) (192.909(b); 192.911(k))  Are the processes for management of changes to   | Sat+        | Sat            | Con      |              |             |          |
| Are required records being maintained for the use Notes  1. IM.QA.IMMOC.P 92.909(a) (192.909(b); 192.911(k)) Are the processes for management of changes to procedures and processes adequate?                     | Sat+        | Sat            | Con      |              |             |          |
| 2.2(b)(1))  Are required records being maintained for the use Notes  1. IM.QA.IMMOC.P 92.909(a) (192.909(b); 192.911(k))  Are the processes for management of changes to procedures and processes adequate?  Notes | Sat+        | Sat            | Con      |              |             |          |
| Are required records being maintained for the use Notes  1. IM.QA.IMMOC.P 92.909(a) (192.909(b); 192.911(k)) Are the processes for management of changes to procedures and processes adequate?                     | Sat+        | Sat            | Con      |              |             |          |
| I M.QA.I MMOC.P 92.909(a) (192.909(b); 192.911(k)) Are the processes for management of changes to procedures and processes adequate?   | Sat+        | Sat            | Con      |              |             |          |
| I M.QA.I MMOC.P 92.909(a) (192.909(b); 192.911(k)) Are the processes for management of changes to procedures and processes adequate?   | Sat+        | Sat            | Con      |              |             |          |
| I M.QA.I MMOC.P  92.909(a) (192.909(b); 192.911(k))  Are the processes for management of changes to procedures and processes adequate?  Jotes  | Sat+        | Sat<br>nd mana | Con      | of change o  | of associ   | ated     |
| I M.QA.I MMOC.P 92.909(a) (192.909(b); 192.911(k)) Are the processes for management of changes to procedures and processes adequate?   | Sat+        | Sat            | Con      |              |             |          |

Page 19 of 21 06/18/2012

| 192.909(a) (192. <sup>c</sup>  | 909(b); 192.911(k))  |                       |          |           |                    |             |         |
|--|--|-----------------------|----------|-----------|--------------------|-------------|---------|
| Are changes to required?   | the IMP and management of change   | es to IMF             | -related | process   | es being pe        | erformed    | d as    |
| Notes  |  |                       |          |           |                    |             |         |
|  |  |                       |          |           |                    |             |         |
|  |  |                       |          |           |                    |             |         |
| _  |  |                       |          |           |                    |             |         |
| <b>1</b> .<br>192.911(l)   | I M.QA.QARM.P  | Sat+                  | Sat      | Con       | Unsat              | NA          | NC      |
| Are quality assu   | rance processes in place for risk m<br>-2004, Section 12?  | anageme               | nt appli | cations t | hat meet ti        | he requi    | rements |
| Notes  |  |                       |          |           |                    |             |         |
|  |  |                       |          |           |                    |             |         |
|  |  |                       |          |           |                    |             |         |
|  |  |                       |          |           |                    |             |         |
| 2.   | I M.QA.QARM.R  | Sat+                  | Sat      | Con       | Unsat              | NA          | NC      |
| 192.911(I)   | I M. CA. CARM.R  | Juti                  | Jut      | 0011      | Onsut              | 1474        | 140     |
|  |  |                       |          |           |                    |             |         |
|  | cate the quality assurance processe  |                       |          |           |                    |             |         |
| requirements of  | cate the quality assurance processe<br>f ASME B31.8S-2004, Section 12 and  |                       |          |           |                    |             |         |
|  |  |                       |          |           |                    |             |         |
| requirements of  |  |                       |          |           |                    |             |         |
| requirements of  |  |                       |          |           |                    |             |         |
| requirements of<br>Notes   | f ASME B31.8S-2004, Section 12 and   | d are the             | process  | es being  | performed          | l as requ   | iired?  |
| requirements of Notes  | F ASME B31.8S-2004, Section 12 and   |                       |          |           |                    |             |         |
| requirements of Notes  | f ASME B31.8S-2004, Section 12 and   | d are the             | process  | es being  | performed          | l as requ   | iired?  |
| 3.<br>192.911(I) (192.9<br>12(b)(4))<br>Does the proces  | I M.QA.I MPERSONNEL.P 15; ASME B31.8S-2004, Section s include requirements to assure p   | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces   | IM.QA.IMPERSONNEL.P  | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3.<br>192.911(I) (192.9<br>12(b)(4))<br>Does the proces  | I M.QA.I MPERSONNEL.P 15; ASME B31.8S-2004, Section s include requirements to assure p   | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces   | I M.QA.I MPERSONNEL.P 15; ASME B31.8S-2004, Section s include requirements to assure p   | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces   | I M.QA.I MPERSONNEL.P 15; ASME B31.8S-2004, Section s include requirements to assure p   | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces   | I M.QA.I MPERSONNEL.P 15; ASME B31.8S-2004, Section s include requirements to assure p   | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces program are qui Notes   | I M.QA.I MPERSONNEL.P  15; ASME B31.8S-2004, Section  si include requirements to assure palified for their assigned responsibility.  | Sat+                  | Sat      | con       | Unsat              | l as requ   | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces program are qui Notes   | I M.QA.I MPERSONNEL.P  15; ASME B31.8S-2004, Section  si include requirements to assure palified for their assigned responsibility  I M.QA.I MPERSONNEL.R  15(a); 192.915(b); 192.915(c); ASME   | Sat+ ersonnel lities? | Sat      | Con       | Unsat  ntegrity ma | N A         | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces program are qui Notes  4. 192.911(I) (192.9 B31.8S-2004, Sec                                  | I M.QA.I MPERSONNEL.P  15; ASME B31.8S-2004, Section  si include requirements to assure palified for their assigned responsibilities for the formation for their assigned responsibilities for their assigned resp | Sat+ ersonnel lities? | Sat      | Con       | Unsat  Unsat       | N A anageme | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces program are qui Notes  4. 192.911(I) (192.9 B31.8S-2004, Sec                                  | I M.QA.I MPERSONNEL.P  15; ASME B31.8S-2004, Section  si include requirements to assure palified for their assigned responsibilities for the formation for their assigned responsibilities for their assigned resp | Sat+ ersonnel lities? | Sat      | Con       | Unsat  Unsat       | N A anageme | N C     |
| 3. 192.911(I) (192.9 12(b)(4)) Does the proces program are qu Notes  4. 192.911(I) (192.9 B31.8S-2004, Sec Are personnel ir responsibilities | I M.QA.I MPERSONNEL.P  15; ASME B31.8S-2004, Section  si include requirements to assure palified for their assigned responsibilities for the formation for their assigned responsibilities for their assigned resp | Sat+ ersonnel lities? | Sat      | Con       | Unsat  Unsat       | N A anageme | N C     |

Page 20 of 21 06/18/2012

| 5.                         | IM.QA.IMNONMANDT.P   | Sat+      | Sat       | Con       | Unsat        | NA         | NC           |
|----------------------------|--|-----------|-----------|-----------|--------------|------------|--------------|
| 192.7(a)                   |  |           |           |           |              |            |              |
| from industry st           | s include requirements that non-meandards or other documents invoked addressed by an appropriate app   | ed by Sul |           |           |              |            |              |
| Notes                      |  |           |           |           |              |            |              |
| 1.                         | PD.PA.PROGRAM.R  | Sat+      | Sat       | Con       | Unsat        | N A        | NC           |
| 192.616(f) (192.6          | 16(a); 192.616(c); 192.616(e);<br>11(m); API RP 1162, Section 2.7 Step                                 |           |           |           |              |            |              |
| Do records show            | v the program being implemented a  | and progi | ress trac | ked?      |              |            |              |
| Notes                      |  |           |           |           |              |            |              |
| 1.                         | IM.QA.RECORDS.P  | Sat+      | Sat       | Con       | Unsat        | NA         | NC           |
| 192.947(e); 192.9          | 947(b); 192.947(c); 192.947(d);<br>947(f); 192.947(g); 192.947(h);<br>11(n); ASME B31.8S-2004 Sections |           |           |           |              |            |              |
| Is the process a pipeline? | dequate to assure that required red  | cords are | maintai   | ned for t | the useful l | ife of the | <del>}</del> |
| Notes                      |  |           |           |           |              |            |              |

Page 21 of 21 06/18/2012