IWP HYDROTESTING CHECKLIST

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|  | MAJOR PROJECTS |
| **Appendix - 14** |
| **Department:** | CONSTRUCTION | Number:**PCM-CP-000X-14** |
| **Subject:** | IWP HYDROTESTING CHECKLIST | Revision: **A** |

| **IWP ID Number:**  | **Date Prepared:**  |
| --- | --- |
| **IWP Description:**  |
| **ITEM DESCRIPTION** | **YES / NO / N/A** | **COMMENTS** |
| **Hydrotest Package Shall:**a) Be Assigned A Unique Identification Numberb) Be Listed In Hydrotest Logc) Have Clearly Identified Limits Indicated On Master Hydrotest P&ID’s | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| System, Spool, Tubing Etc To Be Tested Shall Have ID Number And Limits Clearly Indicated And Marked On Package Drawings And Documents  | [ ]  [ ]  [ ]  |  |
| Blinds, Paddles, Gaskets And Bolts Required For Hydrotest Clearly Identified, Listed, Onsite And Ready For Use | [ ]  [ ]  [ ]  |  |
| Inline Instruments To Be Removed And Blinds Or Temporary Spools Installed Clearly Identified And Listed | [ ]  [ ]  [ ]  |  |
| All Valve Handwheel/Actuator Positions (Open/Closed) Clearly Indicated And Marked On Drawings  | [ ]  [ ]  [ ]  |  |
| All Check Valve Flappers To Be Removed For Test Clearly Indicated And Marked On Drawings | [ ]  [ ]  [ ]  |  |
| All Welded Attachment Welded Prior to Filling With Water | [ ]  [ ]  [ ]  |  |
| Release For Hydrotesting Signed-Off By QC | [ ]  [ ]  [ ]  |  |
| **Crane(s) To Support Work Package:**OnsiteAvailableScheduled | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| Required Rigging And Accessories Onsite And Available To Support Work Package Activities | [ ]  [ ]  [ ]  |  |
| **Transportation Requirements For Testing Equipment, Temporary Spools, Materials And Tools Etc.:**AvailableScheduled | [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| Material Requisitions Complete Ready To Be Submitted For Work Package  | [ ]  [ ]  [ ]  |  |
| Materials In Warehouse Bagged And Tagged | [ ]  [ ]  [ ]  |  |
| **Special Training / Qualification Requirements:**a) Safety; SCABA, High Level Rescue Etcb) Equipment Operation; Manlift Etc.c) Otherd) Training Complete | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| Permit Requests Complete Ready To Be Submitted For Work Package | [ ]  [ ]  [ ]  |  |
| Safety Items And Concerns Clearly Identified,Listed And Addressed | [ ]  [ ]  [ ]  |  |
| **Hazard Assessments / Requirements:**a) Hazard Identifiedb) Assessment Performedc) Mitigated | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| Additional Personnel Protection Equipment Requirements Clearly Identified, Listed, Onsite And Available For Use | [ ]  [ ]  [ ]  |  |
| Inspection And Testing Requirements Clearly Identified And Listed Including Hold And Witness Points | [ ]  [ ]  [ ]  |  |
| Hydrotesting Equipment Onsite, Calibrated (Up To Date) And Available For Use | [ ]  [ ]  [ ]  |  |
| **Hydrotest Water:**a) Is There A Requirement For Desalinated Water For Stainless Steelb) Water Availablec) Scheduled For Delivery | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| Hydrotest Water Disposal Requirements Clearly Identified | [ ]  [ ]  [ ]  |  |
| **Third Party Inspection Required:**a) Availableb) Scheduled | [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| **Vendor Requirements:**a) Requiredb) Availablec) Scheduled | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| **Scaffolding / Manlift Requirements:**a) Identifiedb) Availablec) Scheduledd) Built (Scaffold Only) | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| **All Required Drawings, Details And Specifications Included In Hydrotest Work Package:**a) Hydrotest Sign-Off Sheetb) P&ID’s Clearly Marked With Hydrotest Limits (As-Built)c) Isometrics Clearly Marked With Hydrotest Limits (As-Built)d) General Arrangements Clearly Marked With Hydrotest Limits (As-Built)e) Line Designation Table (Line List) Indicating Lines To Be Testedf) Pipe Support Detailsg) Special Requirementsh) Design Change Notices (If Applicable)i) Request For Information (If Applicable)j) QC Release For Testing (Signed-Off)k) Hydrotest Checklistl) Lessons Learned Suggestion Form**NOTE:**All Documents Included In Hydrotest Package Shall Be Clearly Marked With Hydrotest Package Identification Number | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
| **Hydrotest System / Package Status:**a) Hydrotest Package Prepared Ready For Useb) Hydrotest System Ready For Testingc) Hydrotest Completed) Sign-Off Sheet Signed By All Partiese) System Ready For Reinstatement | [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ] [ ]  [ ]  [ ]  |  |
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| **Planner Name (print):** | **Planner Signature:** | **Issue Date:** |
| **Superintendent Name (Print):**  | **Superintendent Signature:**  | **Issue Date:**  |
| **Work Foreman Name:**  | **Work Foreman Signature:** | **Work Start Date:** |
| **Work Foreman Name:**  | **Work Foreman Signature:**  | **Work Completion Date:**  |