|  |  |
| --- | --- |
| **Inspection Report** | **Post Inspection Memorandum** |
| **Inspector/Submit Date:** |       | **NC Required?** |       |
| **Inspection Tracking # :** |       |
|  | **NC Tracking # :** |       |
|  |
| **Name of Operator:**       | **OPID #:**       |
| **Name of Unit(s):**       |  |
| **Records Location:**       |  |
| **Unit Type & Commodity:**       |
| **Inspection Type:** Records review. Leakage Control and Leak Survey | **Inspection Date(s):**       |
| **PUC Representative(s):**       | **Field Days:**       |  |

|  |  |  |
| --- | --- | --- |
| **Persons Interviewed** | **Titles** | **Phone No.** |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |

| **Summary:** |
| --- |
|       |

| **Findings:**      |
| --- |
|  |

|  |
| --- |
| **Total Leaks and Hazardous Leaks Eliminated/Repaired During Year** |
| Cause of Leak | Mains | Services |
|  | Total | Hazardous | Total | Hazardous |
| Corrosion |       |       |       |       |
| Natural Forces |       |       |       |       |
| Excavation Damage |       |       |       |       |
| Other Outside Force Damage |       |       |       |       |
| Material or welds |       |       |       |       |
| Equipment |       |       |       |       |
| Incorrect operations |       |       |       |       |
| Other |       |       |       |       |
| Number of known system leaks at end of year scheduled for repair |       |
|  |
| **Total Open Leaks During Year as of**       |
| Number of Open Grade 1/C Leaks  |       |
| Number of Open Grade 2/B Leaks |       |
| Number of Open Grade 3/A Leaks |       |

|  |  |
| --- | --- |
| What is the monitoring schedule for Grade 2/B leaks? |       |
| What is the monitoring schedule for Grade 3/A leaks? |       |
| What is the repair time frame for Grade 2/B leaks? |       |
| What is the repair time frame for Grade 3/A leaks? |       |
| How many open Grade 2/B leaks exceeded the monitoring schedule? |       |
| How many open Grade 3/A leaks exceeded the monitoring schedule? |       |
| How many open Grade 2/B leaks exceeded the repair time frame? |       |
| How many open Grade 3/A leaks exceeded the repair time frame? |       |

**Pipe Specs for Calendar Year**

|  |  |  |
| --- | --- | --- |
| **Material Type** | **Miles of Main**  | **Number of Services** |
|  **Protected**  | **Unprotected** | **Protected** | **Unprotected** |
| **Bare Steel** |       |       |       |       |
| **Coated Steel** |       |       |       |       |
| **CI mains** | n/a |       |       |       |
| **PE** | n/a |       | n/a |       |
| **Ductile Iron** | n/a |       | n/a |       |
| **Wrought Iron** | n/a |       | n/a |       |
| **Other**  |       |       |       |       |
| **List other** |       |       |       |       |

Amount of Mains/Services Increased/Decreased from Prior Calendar Year

|  |  |  |
| --- | --- | --- |
| **Material Type** | **Miles of Main Increased/Decreased from Previous Year** | **Number of Services Increased/Decreased from Previous Year** |
|  **Protected**  | **Unprotected** | **Protected** | **Unprotected** |
| **Bare Steel** |       |       |       |       |
| **Coated Steel** |       |       |       |       |
| **CI mains** | n/a |       |       |       |
| **PE** | n/a |       | n/a |       |
| **Ductile Iron** | n/a |       | n/a |       |
| **Wrought Iron** | n/a |       | n/a |       |
| **Other**  |       |       | v |       |
| **List other** |       |       |       |       |

**Amount of Pipe Leak Surveyed**

|  |  |  |
| --- | --- | --- |
| **Calendar Year** | **Amount of Main Surveyed** | **Amount of Services Surveyed** |
| **Residential** | **Business** | **Residential** | **Business** |
|       |       |       |       |       |
|       |       |       |       |       |
|       |       |       |       |       |
|       |       |       |       |       |
|       |       |       |       |       |

| **.605(b)** | **LEAKAGE CONTROL PROCEDURES** | **S** | **U** | **N/A** | **N/C** |
| --- | --- | --- | --- | --- | --- |
| .703 General: No person may operate a pipeline in unless it is maintained according to subpart M |  |
| * (b) Is each segment of pipeline which becomes unsafe replaced, repaired or removed from service?
 |     |     |     |     |
| * (c) Are hazardous leaks repaired promptly?
 |     |     |     |     |
| .707 (c) Does the Company have procedures to insure that all aboveground facilities accessible to the public have pipeline markers? |     |     |     |     |
|  (a) Is each main in a class 1 or 2 location have pipeline markers at highway and railroad crossings? |     |     |     |     |
|  (d) Do the markers have the proper warnings, size of letters, contrast, and wording? |     |     |     |     |
|  (d) Is the company’s name and correct emergency telephone number include on the marker? |     |     |     |     |
| . 721 Does the company have distribution line patrolling procedures? |     |     |     |     |
|  Are mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage patrolled - In business districts, at intervals not exceeding 4 1/2 months, but at least four times each calendar year? (check structures & bridges in business district) |     |     |     |     |
|  Outside business districts, at intervals not exceeding 7 1/2 months, but at least twice each calendar year? |     |     |     |     |
| .723 Does the Company have procedures in place to conduct periodic leakage surveys? |     |     |     |     |
|  Are the procedures detailed for business districts and outside business districts? |     |     |     |     |
| (b)(1) Do the procedures specify that an instrument must be used? |     |     |     |     |
|  Are business districts survey **once each calendar year not to exceed 15 months?** |     |     |     |     |
|  Does the business district survey procedures specify that tests in the atmosphere must include |     |     |     |     |
|  Electric, telephone, sewer, and water system manholes? |     |     |     |     |
|  Cracks in pavement and sidewalks?  |     |     |     |     |
|  At other locations providing an opportunity for finding gas leaks? |     |     |     |     |
| (b)(2) Are leakage surveys conducted outside the business district on coated/protected steel and plastic pipelines no less than once each 5 years not to exceed 63 months?  (**5 yrs & 3 months mains & services**) |     |     |     |     |
|  Are leakage surveys conducted outside the business district on bare steel and unprotected coated steel, wrought iron, cast iron and copper no less than once each 3 years not to exceed 39 months? (**3 yrs & 3 months mains & services**) |     |     |     |     |
| 59.33 Are calibration frequencies listed in the company’s procedures for all types of leakage detection equipment? (FI , CGI type, infra-red, and badge type detectors, at least manufacturer specs) |     |     |     |     |
| 59.34 Leakage surveys of customer-owned service lines.Does the company have a plan and periodically survey each customer-owned service line for leakage. |     |     |     |     |
| .625 Are there procedures addressing odorization of gas (testing and concentration levels including equipment and facilities) Consider natural gas and propane if operator has LP systems |     |     |     |     |
| .465(e) Do company procedures specify how the required evaluation of unprotected pipe is to be performed and with what data and is it performed at an interval not to exceed 39 months? |     |     |     |     |
| .491(c) Is this required evaluation of sufficient detail to demonstrate that active corrosion does not exist on the unprotected pipelines? (records must be retained for as long as the pipeline remains in service) |     |     |     |     |

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| **Comments:** *(If any of the above are marked U, N/A, or N/C, please indicate why, either in this box or in a referenced note.)* |
|       |

| **LEAK SURVEY RECORDS** | **S** | **U** | **N/A** | **N/C** |
| --- | --- | --- | --- | --- |
| .491 |   | .703(c) All hazardous leaks repaired immediately |     |     |     |     |
| .707(d) Pipeline markers have the proper information and are designed correctly |     |     |     |     |
| .721(b)(1) Patrolling business district on bridges and structures (review records 4x per year 4 1/2 months) |     |     |     |     |
| .721(b)(2) Patrolling outside business district on bridges and structures (review records 2x per yr.7 ½ months) |     |     |     |     |
| .723 (b)(1) Business district leak survey review for timeliness and completeness |     |     |     |     |
| .723 (b)(2) Outside business district leak survey protected & plastic review for timeliness and completeness |     |     |     |     |
| .723 (b)(2) Outside business district leak survey unprotected pipelines review for timeliness and completeness |     |     |     |     |
| 59.33 Calibration of leak survey equipment Mobile surveys |     |     |     |     |
| 59.33 Calibration of leak survey equipment walking surveys FI and CGI type) |     |     |     |     |
| 59.33 Calibration of inside building detectors (CGI type and meter reading type) |     |     |     |     |
| .625 Odorization facilities maintenance |     |     |     |     |
| 59.33 Calibration of odorators or similar equipment to detect gas by the public |     |     |     |     |
| .465(e) Unprotected Pipeline Surveys or evaluation CP active corrosion (**1 per 3 cal yr/39 months**) |     |     |     |     |
|  |  | .605 (a) Repairs are made within the time specified by the company’s procedures |     |     |     |     |
|  |  | .605 (a) Verify a sample of repaired leaks have been fixed with a CGI |     |     |     |     |

|  |
| --- |
| **List how company keeps records of leak surveying (mains and service lines) in business, outside business protected/plastic and outside business unprotected. Include frequency of surveys. (review records for compliance)** |
|       |

 

Click icons to add photosand perform OQ Protocol 9 when fusion or other tasks are witnessed.