**Cathodic System Evaluation**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date: | |  | | | | Z  o  n  e  # | | | | Section A | | | | | | | | | | | Section B | | | | |
| Name: | |  | | | | Rectifier Settings | | | | | | | Ref. Cell | | | | Depolarization Readings | | | | |
| Bridge No. | |  | | | | Input  Voltage | | Input  Current | | | Input  Current  Density | | On  Potential  (millivolt) | | Instant  Off Potential | | 4 Hr. Off Potential (millivolt) | | Shift in  Potential  (millivolts) | Revised Current  (amps) | |
| Direction: | |  | | | |
| Route: | |  | | | | 1 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| District: | |  | | | | 2 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| County: | |  | | | | 3 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Location: | |  | | | | 4 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Date Let: | |  | | | | 5 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Rectifier Serial No.: | | |  | | | 6 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Rectifier Brand: | | |  | | | 7 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Air Temp.: | | |  | | | 8 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Deck Condition: | | |  | | | 9 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
| Type Anode: | | |  | | | 10 | | | |  | |  | | |  | |  | |  | |  | |  |  | |
|  | | | | | | | | | | |  | | | | | | | | | | | | | | |
| **Cathodic System** | | | | | YES | | | NO | | | Zone | | Comments: | | |  | | | | | | | | | |
| Broken Lead: | | | | | ☐ | | | ☐ | | |  | |
| Exposed Lead: | | | | | ☐ | | | ☐ | | |  | |
| Corroded Lead: | | | | | ☐ | | | ☐ | | |  | |
| Meters Not Functioning: | | | | | ☐ | | | ☐ | | |  | |
| Fuses Blown: | | | | | ☐ | | | ☐ | | |  | |
| Corroded Circuit Board: | | | | | ☐ | | | ☐ | | |  | |
| Lightening Arrestors Blown: | | | | | ☐ | | | ☐ | | |  | |
| Power Off: | | | | | ☐ | | | ☐ | | |  | |
| Lost ID Tags: | | | | | ☐ | | | ☐ | | |  | |
| All zones on constant current: | | | | | ☐ | | | ☐ | | |  | | If not, list zones on constant voltage | | | | | | | | |  | | | |
| **Meter Type** | | | | | YES | | NO | | | | Comments: | | | | |  | | | | | | | | | |
| External Meter: | | | | | ☐ | | | ☐ | | |
| Built In Meter: | | | | | ☐ | | | ☐ | | |
| Z  o  n  e  # | Section C | | | | | | | | | | | | | | | | | | | | | | | | |
| Original Settings | | | | | | | | | | | | | | | | | Fixed Design Parameters | | | | | | | |
| Original On Potential | | | Original Input Current | | | | | Zone Size  (Sq. Ft.) | | | | | Input Current  Density  (milliAmps/sf) | | | | Current Parameters | | | | | Potential Parameters | | |
| Lower | | Upper | | | Lower | | Upper |
| 1 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 2 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 3 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 4 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 5 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 6 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 7 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 8 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 9 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |
| 10 |  | | |  | | | | |  | | | | |  | | | |  | |  | | |  | |  |