Installation Inventory and Inspection/Maintenance Needs

Diagram

Description automatically generated

17

6

1

1

1

15

14

1

9

9a

13a

10

10a

12

11a

11

13

7

8

6b

6a

1

5

4

3

2

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ref** | **Qty** | **Lead Acid Battery Treatment Plant** | **Test & Inspection** | **Carried out by** | **Frequency** |
| 1 | 1 | Breaker |  | Internal | Daily / Weekly / Monthly |
| 2 | 1 | Guard / Tramp Screen 20mm top size |  | Internal | Daily / Weekly / Monthly |
| 3 | 1 | Rod Mill |  | Internal | Daily / Weekly / Monthly |
| 4 | 1 | Sodium Hydroxide Feed Tank (1000L) | As per Written Scheme of Examination | External  Internal | Annual  Daily (Visual) |
| 4a | 1 | Dose Pump |  | Internal | Daily / Weekly / Monthly |
| 4b | 1 | pH Probe / Controller |  | Internal | Daily / Weekly / Monthly |
| 5 | 1 | Guard / Tramp Screen 1mm top size |  | Internal | Daily / Weekly / Monthly |
| 6 | 1 | Press Feed Tank (De-Sulphurised Paste) |  | Internal | Daily / Weekly / Monthly |
| 6a | 1 | Press Feed Pump |  | Internal | Daily / Weekly / Monthly |
| 6b | 1 | pH Probe / Controller |  | Internal | Daily / Weekly / Monthly |
| 7 | 1 | Press Filter (6bar/100psi) Rated |  | Internal | Daily / Weekly / Monthly |
| 8 | 1 | Press Washing / Dil Na2So4 |  | Internal | Daily / Weekly / Monthly |
| 8a | 1 | Washing Pump (A.O.D.D) |  | Internal | Daily / Weekly / Monthly |
| 9 | 1 | Sodium Sulphate Tank (20000L) | As per Written Scheme of Examination | External  Internal | Annual  Daily (Visual) |
| 9a | 1 | Sodium Sulphate Discharge Pump (A.O.D.D) |  | Internal | Daily / Weekly / Monthly |
| 10 | 1 | Dissolution Tank / High Shear Mixer |  | Internal | Daily / Weekly / Monthly |
| 10a | 1 | Dissolution Tank Discharge Pump (A.O.D.D) |  | Internal | Daily / Weekly / Monthly |
| 11 | 1 | Strong Acetic Acid Tank |  | Internal | Daily / Weekly / Monthly |
| 11a | 1 | Reagent Pump (Centrifugal) |  | Internal | Daily / Weekly / Monthly |
| 12 | 1 | Dilute Acetic Acid Tank (5M3) | As per Written Scheme of Examination | External  Internal | Annual  Daily (Visual) |
| 13 | 1 | Hydrogen Peroxide Tank (2M3) | As per Written Scheme of Examination | External  Internal | Annual  Daily (Visual) |
| 13a | 1 | pH Probe |  | Internal | Daily / Weekly / Monthly |
| 14 | 1 | Filter Press Removal from Lead Acetate Solution (6bar/100psi) Rated |  | Internal | Daily / Weekly / Monthly |
| 15 | 1 | Filter Press Dilute Acetic Acid TLC (6bar/100psi) Rated |  | Internal | Daily / Weekly / Monthly |
| 16 | 1 | Conveyor Belt |  | Internal | Daily / Weekly / Monthly |
| 17 | 1 | Dryer / Calciner |  | Internal | Daily / Weekly / Monthly |
| 18 | 1 | Diesel Generator |  | Internal | Daily / Weekly / Monthly |
| 19 | 1 | Compressor | Statutory Inspection | External  Internal | Annual  Daily (Visual) |
| **Ref** | **Qty** | **Workplace Transport & Handling Equipment** |  |  |  |
| 20 | 2 | 3.5 FLT Diesel | Statutory Inspection | External  Internal | Annual  Daily (Visual) |
| 21 | 1 | Rotator | Statutory Inspection | External  Internal | Annual  Daily (Visual) |
| 22 | 1 | Integrally Bunded Diesel Tank 1000L |  | Internal | Weekly (Visual) |
| 23 | 1 | 5 Tonne Overhead Crane | Statutory Inspection | External | Annual |
| **Ref** | **Qty** | **Weighing & Measuring** |  |  |  |
| 24 | 1 | 50T Weighbridge | Annual Calibration | External | Annual |
| 25 | 2 | 10T Platform Scales | Annual Calibration | External | Annual |
|  |  |  |  |  |  |