# CYB 410 Project One Stepping Stone Two Estimated Downtime Template

| **Mission/Business Process** | **MTD** | **RTO** | **RPO** |
| --- | --- | --- | --- |
| Ordering Supplies | 72 hours | 24 hours | 6 hours |
| Justification | The business can function for another 3 days (72 hours) without the supplies for the plants as they are ordered before current stocks deplete. The RTO is 24 hours as that is the time allowance, after which the plants will start showing signs of stunted growth. On a normal day, watering usually takes 4 hours, without accounting for the time needed to add nutrients. So, two extra hours are added (for the 6-hour RPO) to provide enough time to recover from the RTO. | | |
| Processing Customer Transactions | 48 hours | 6 hours | 4 hours |
| Justification | There is a backup laptop on station to help when the POS fails. So, the MTD is 48 hours as it is the minimum amount of time through which entering the sales into the POS will not have enough backlog to waste time and be costly. The RTO, on the other hand, was set to 6 hours to minimize the number of mistakes manually recorded at the end of the business day. This manual process of entering the sales is approximated to take 4 hours. | | |
| Creating Security Reports | 24 hours | 12 hours | 24 hours |
| Justification | The cameras have a backup power source should utility power go out. If the power blackout exceeds 24 hours, the security report should be created. The RTO is 12 hours as that is the minimum timeframe to comprehensively assess damages and document them. On the other hand, the only way to access the footage is to make a request to the cloud service. So, the RPO is set to 24 hours in case a recovery is needed. | | |
| Tracking Grow Technique Data | 24 hours | 24 hours | 12 hours |
| Justification | An MTD of 24 hours is recommended by the documentation on growth and it also helps limit mistakes as it easily aligns with the planting date. The RTO is also set to 24 hours to enable acceptable tracking of the feeding process and the application of pesticide and nutrients. The RTO is set to 12 hours to provide for enough time to recover any lost data. | | |
| Creating Safety Reports | 24 hours | 24 hours | 24 hours |
| Justification | The MTD and RTO are pursuant to provisions outlined in OSHA guidelines. Any incident should be reported in 24 hours, lest the company be liable to legal action. The RPO is set to 24 hours to give the company enough time to investigate the incident or accident | | |
| Logging/Tracking Product | 24 hours | 12 hours | 12 hours |
| Justification | An MTD of 24 hours to allow for the manual entry of records on paper should the POS be out of service. However, logging and tracking are time consuming activities, especially with large inventories. So, the RTO is relatively large (12 hours). Should the systems be down for extended periods, a 12 hour RPO will help recover data from the previous day or the period the systems were down. | | |