Southern New Hampshire University

CYB 410 Project One Stepping Stone Two Template
Estimated Downtime Template

Instructions
Complete this template by replacing the bracketed text with the relevant information.

Mission/Business Process	MTD	RTO	RPO
Ordering Supplies	72 hours	48 hours	24 hours

Justification: The nursery can manage for up to three days without new supplies based on current stock levels. The RTO is set at 48 hours to provide a buffer for replenishing vital nutrients essential for plant health, per interview insights highlighting rapid product degradation beyond this point. The RPO is set at 24 hours, reflecting the critical daily inventory updates for continuous supply management.

Mission/Business Process	MTD	RTO	RPO
Processing Customer Transactions	8 hours	6 hours	1 hour

Justification: Transactions are essential for daily operations, with an MTD of 8 hours reflecting the reliance on daytime business hours. The RTO is 6 hours, aligning with working hours to restore POS functionalities swiftly to minimize sales disruptions. An RPO of 1 hour ensures minimal data loss, considering the high frequency of transactions.

Mission/Business Process	MTD	RTO	RPO
Creating Security Reports	48 hours	24 hours	24 hours

Justification: Security reporting is essential but can withstand a delay of up to 48 hours without severe consequences, as per the analysis. An RTO of 24 hours is adequate for restoring security systems, with an RPO of 24 hours to ensure data integrity is maintained from the previous day's activities.

Mission/Business Process	MTD	RTO	RPO
Tracking Grow Technique Data	24 hours	12 hours	6 hours

Justification: The MTD is short due to the criticality of maintaining accurate growth data for regulatory compliance. A quick RTO is necessary to preserve the integrity of ongoing experiments and care schedules, while a tight RPO ensures minimal data loss in tracking plant health.

Mission/Business Process	MTD	RTO	RPO
Creating Safety Reports	24 hours	12 hours	24 hours

Justification: Safety is paramount, so only a short downtime is allowed. The RTO and RPO ensure that safety measures and incidents are reported and addressed within half a day to prevent any escalation of safety issues.

Mission/Business Process	MTD	RTO	RPO
Logging/Tracking Product	72 hours	12 hours	4 hours

Justification: Given the dependency on accurate inventory for business operations, a longer MTD is feasible, but with a swift RTO to resume tracking quickly upon resolving IT issues. A short

RPO minimizes the risk of significant inventory discrepancies, which is essential for operational and financial planning.