

Lehong 2019

| Rating of Weightiness and Probability for individual work | | | |
|---|--------------|----|-----------------|
| L | Low rated | E | Extremely rated |
| M | Medium rated | NA | Not Assessed |
| H | High rated | | |

| Grade: Combination of seriousness and Probability effect | | | | | |
|--|--------|-------------|--------|------|---------|
| | | Weightiness | | | |
| Probability | | low | medium | high | extreme |
| | low | N | D | C | A |
| | medium | D | C | B | A |
| | high | C | B | A | A |

| Actions to be taken to counteract the risk grading | |
|--|--|
| Grade | Risk alleviation activities |
| A | Alleviation activities, to minimize the probability and weightiness, to be noticed and applied rapidly as the project starts. |
| B | Alleviation activities, to minimize the probability and weightiness, to be noticed and suitable activities applied through project implementation. |
| C | Alleviation activities, to minimize the probability and weightiness, to be noticed and charged for possible activities if budget authorizes. |
| D | To be identified – no encounter is required except when the grading increases with time. |
| N | To be identified – no encounter is required except when the grading increases with time. |

Assumptions

- The project is behind by two weeks as observed
- The risk will be mitigated immediately as they are identified
- Therefore the “start” for risks that occur after the delay will also be two weeks later compared to the original project schedule

| ID | Description of Risk | Causes (due to ...) | Probability | Weightiness | Grade | Start | End | Mitigation Actions | Responsibility |
|----|---|--|-------------|-------------|-------|-----------|------|---|----------------|
| 1 | Andy is failing to handle the project according to plan | Andy accepted the project manager role while he lacks project management training and experience | H | H | A | 01-Mar-18 | asap | Assign an qualified-experienced project manager | Andy Johns |
| 2 | The project is running under the schedule the inexperienced Jackie compiled | Andy did not thoroughly review the schedule. He received a phone call and forgot about the schedule | H | H | A | 01-Mar-18 | asap | Redraw the project schedule | Andy Johns |
| 3 | Extra five meters of length from the new building is required to fit the production train | Miles changed the train specifications without informing and getting the approval of the project manager | M | M | C | 21-Sep-18 | asap | Determine which alternative is feasible between additional perimeter and reducing train size | Andy Johns |
| 4 | Andy's project managerial time limited | Rewriting of software program due to change of specifications. | H | H | A | 21-Sep-18 | asap | Andy should find a critical path to project completion and run certain tasks parallel if possible | Andy Johns |
| 5 | Later construction schedule conflict in tying-in the new services | The designs could not be approved since miles and Andy were on vacation | H | H | A | 13-Jul-18 | asap | Andy should find a critical path to project completion and run certain tasks parallel if possible | Andy Johns |
| 6 | Paint shop installation did not meet Andy's expectations | Umshini sub-mechanical contractors install paint shop based on a design that was unapproved | M | M | C | 14-Dec-18 | asap | Andy should meet with Daniel Lee, discuss the issue, and resolve it. | Andy Johns |
| 7 | Strain relations on the site | Andy's decision unsatisfactory results with Amos Mokoena instead of Daniel Lee | M | M | C | 14-Dec-18 | asap | Develop support service to help alleviate the strain on the site | Andy Johns |
| 8 | Paint shop approval pending | Paint not upgraded to meet latest environmental standards | M | H | B | 11-Feb-19 | asap | Paint shop be upgraded meet the latest standards. | Andy Johns |
| 9 | Failure to obtain building occupational certificate | Sylvia failure to prepare planning for inspections and building acceptance | H | H | A | 11-Feb-19 | asap | Understanding the requirements of obtaining the certificate and | Sylvia More |