

## Attachment B Buffer Zone Justification Table (Fire Risk Controls)

| Zone Type   | Applied Distance                                 | Hazard Basis  | Control Objective  | Justification (DWER / AS 3745 Alignment)  |
|---|--|---|--|---|
| <p>● Primary Exclusion Zone (Red Zone)</p>                | <p>10–15 m minimum</p>                           | <p>High fire load combustible storage (rubber conveyor belts, packaged goods)</p> | <p>Prevent ignition and fire spread from vehicles and external sources</p> | <p>Conveyor belts present high calorific fuel load capable of rapid fire propagation. Separation reduces radiant heat exposure, prevents vehicle ignition sources (exhaust/brakes), and provides effective firebreak consistent with AS 3745 emergency planning principles.</p> |
| <p>● Transition / Controlled Access Zone (Amber Zone)</p> | <p>5–10 m</p>                                    | <p>Interface between stockpiles and operational areas</p>                         | <p>Restrict access and reduce direct exposure risk</p>                     | <p>Provides buffer between high-risk combustible storage and operational vehicle movements. Limits accidental encroachment and supports staged fire suppression access.</p>   |
| <p>● Operational Vehicle Zone</p>                         | <p>Defined site lanes only (no encroachment)</p> | <p>Heavy vehicle movement, loading/unloading activities</p>                       | <p>Maintain safe logistics operations away from combustibles</p>           | <p>Ensures ignition sources remain separated from high-risk stockpiles and maintains clear emergency response corridors.</p>  |
| <p>● Emergency Access Route</p>                           | <p>Minimum 4–6 m clear width</p>                 | <p>Fire service appliance access</p>  | <p>Maintain uninterrupted emergency response capability</p>                | <p>Required to ensure DFES access to all hazard zones in accordance with AS 3745 and emergency planning best practice. Must remain permanently unobstructed.</p>  |