

Monitoring and Controls	Trigger	Action / Response
Powerlines – LW30-31		
• Centennial to establish subsidence monitoring and inspection sites for public / private roads and adjacent powerlines prior to mining. • Centennial to conduct pre and post mining 3D scanning and survey of power poles. • Ausgrid to model and install mitigation works on affected section of the powerline. • Centennial to mark the centreline and edges of current longwall panel on public/private road pavement one month prior to public road and powerlines being affected by subsidence. • Centennial to notify Ausgrid one month prior to powerline being affected by subsidence from each longwall panel. • Centennial to conduct weekly visual inspections of public/private roads and powerlines located along road easement when influenced by subsidence within the Active Longwall Subsidence Zone. Record results on the Subsidence Inspection Checklist. • Centennial to conduct monthly visual inspections for the following six months and record results on the Subsidence Inspection Checklist. • Centennial to be in regular contact with private property owner during the development of subsidence. • Centennial to conduct post-mining surveys following the development of subsidence (majority of subsidence developed when LW is completed or LW face is 800m past feature). • Centennial to provide pre and post mining subsidence monitoring results to Ausgrid, RR and SANSW.	LEVEL 1 – LOW Operations within prediction and approved impact • Development of subsidence and impact as expected. • Subsidence within predicted range (Upper 95% CL). • No noticeable impact to the surface or powerline network. • Damage powerlines unlikely.	• Centennial to conduct post mining inspection and subsidence monitoring and provide results to the Ausgrid, RR and SA NSW.
	LEVEL 2 – MEDIUM Operations within approved impact but exceed or potentially exceed predictions • Development of subsidence exceeding or potentially exceeding prediction (greater than Upper 95% CL). • Minor impact to powerline network • No immediate mitigation / remediation works on poles, insulators and conductors is considered necessary.	• Centennial to inspect powerlines. • Centennial to notify Ausgrid and RR of increased subsidence and any observed impact to powerline network. • Ausgrid to conduct inspection and investigate the impact of increased subsidence on powerline network. • Ausgrid to conduct repairs if considered necessary. • Centennial to advise SA NSW of potential repairs. • Centennial to review results and predictions as per Extraction Plan LW30-31.
	LEVEL 3 – HIGH Operations exceed approved impact • Development of subsidence and impact greater than expected. • Damage to powerline network that causes loss or potential loss of service.	• Centennial to immediately advise Ausgrid of observed damage to the powerline network. • Ausgrid Emergency Service - 1800 627 005 • Ausgrid to inspect any damage to powerline network and arrange repairs. • Centennial to promptly notify RR and SA NSW of increased subsidence and observed impact to powerlines. • Centennial to conduct post mining inspection and subsidence monitoring and provide results to Ausgrid, RR and the SANSW. • Centennial to review results and predictions as per Extraction Plan LW30-31. • Centennial to notify external stakeholders and government agencies in accordance with Incident Reporting requirements DC S6 Condition 10 and WHS Regulations.