



# **Almaty International Airport**

Environmental and Social Impact Assessment  
Report - Chapter 19

September 2025

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# Acronyms and abbreviations

Abbreviation / Acronym	Definition
CIA	Cumulative impact assessment
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
VECs	Valued Environmental and Social Components

# 19 Conclusion

## 19.1 Introduction

19.1.1 This chapter presents a summary of the residual effects and conclusions of the Environmental and Social Impact Assessment (ESIA) for the Project Horizon. Topic-specific impact assessments are presented in detail in **ESIA Chapters 5 to 15**. **ESIA Chapter 16** presents the cumulative assessment.

## 19.2 Mitigation

19.2.1 Measures to mitigate the effects of the Project have been identified and included within the technical chapters (see **ESIA Chapters 5 to 15**). A framework Environmental and Social Management Plan (ESMP) will be produced and will contain management measures to be incorporated into the construction and operation of the Project. These mitigation measures have been taken into account in the assessment of residual effects for each topic.

## 19.3 Summary of residual effects

19.3.1 Following implementation of mitigation, the environmental effects envisaged to remain are referred to as residual effects. These are described in each topic chapter.

19.3.2 Some design features and mitigation measures may result in an environmental improvement. In these instances, the residual effect is recorded as 'beneficial'.

19.3.3 Table 19.1 summarises the likely significant effects (i.e. residual effects with a significance of Moderate Adverse / Beneficial, or greater). Where more than one residual effect is predicted for a topic, the table presents the worst-case significance.

**Table 19.1: Summary of residual effects**

Topic	Residual effects	
	Construction	Operation
Air quality	Not significant (negligible adverse)	<b>Significant (moderate adverse)</b>
Biodiversity	Not significant (negligible adverse)	Not significant (minor adverse)
Climate resilience	N/A (scoped out)	Not significant
Community	Not significant (minor adverse and minor beneficial)	<b>Significant (moderate adverse and moderate beneficial)</b>
Geology and soils	Not significant (negligible adverse)	Not significant (minor adverse)
Greenhouse gases	<b>Significant (moderate adverse)</b>	<b>Significant (major adverse)</b>
Noise	Not significant	<b>Significant (moderate to major adverse)</b>
Traffic and transport	Not significant (minor adverse)	Not significant (minor adverse)
Waste and resources	Not significant (minor adverse)	Not significant (minor adverse)
Water resources	Not significant (minor adverse)	Not significant (minor adverse)
Workers	Not significant (negligible adverse and minor beneficial)	<b>Significant (moderate beneficial)</b>

19.3.4 The cumulative impact assessment (CIA) identified cumulative effects of **moderate adverse significance** across key Valued Environmental and Social Components (VECs), including noise and air quality, traffic, and community wellbeing. These impacts arise from intra- and inter-project pathways, particularly affecting vulnerable areas.

- 19.3.5 Mitigation measures focus on adaptive management, stakeholder engagement, and coordinated planning to support resilience. These will be integrated into the ESMP and monitored throughout the Project lifecycle. Engagement with affected communities will be maintained to support collaborative mitigation and long-term sustainability.
- 19.3.6 Overall, with the implementation of the proposed mitigation and management measures, the Project is expected to remain environmentally and socially acceptable, with residual and cumulative effects managed through established frameworks and ongoing monitoring.



