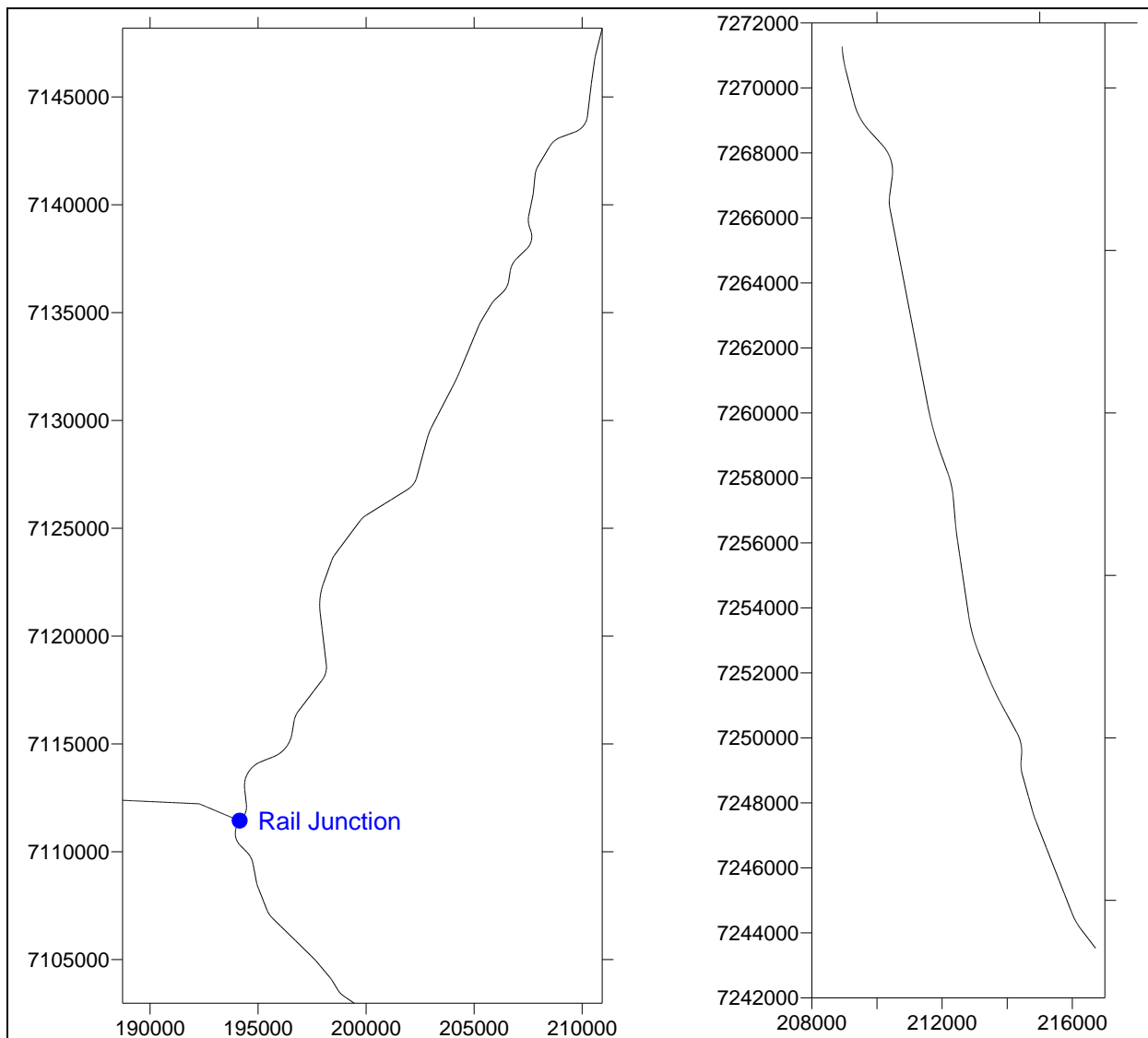


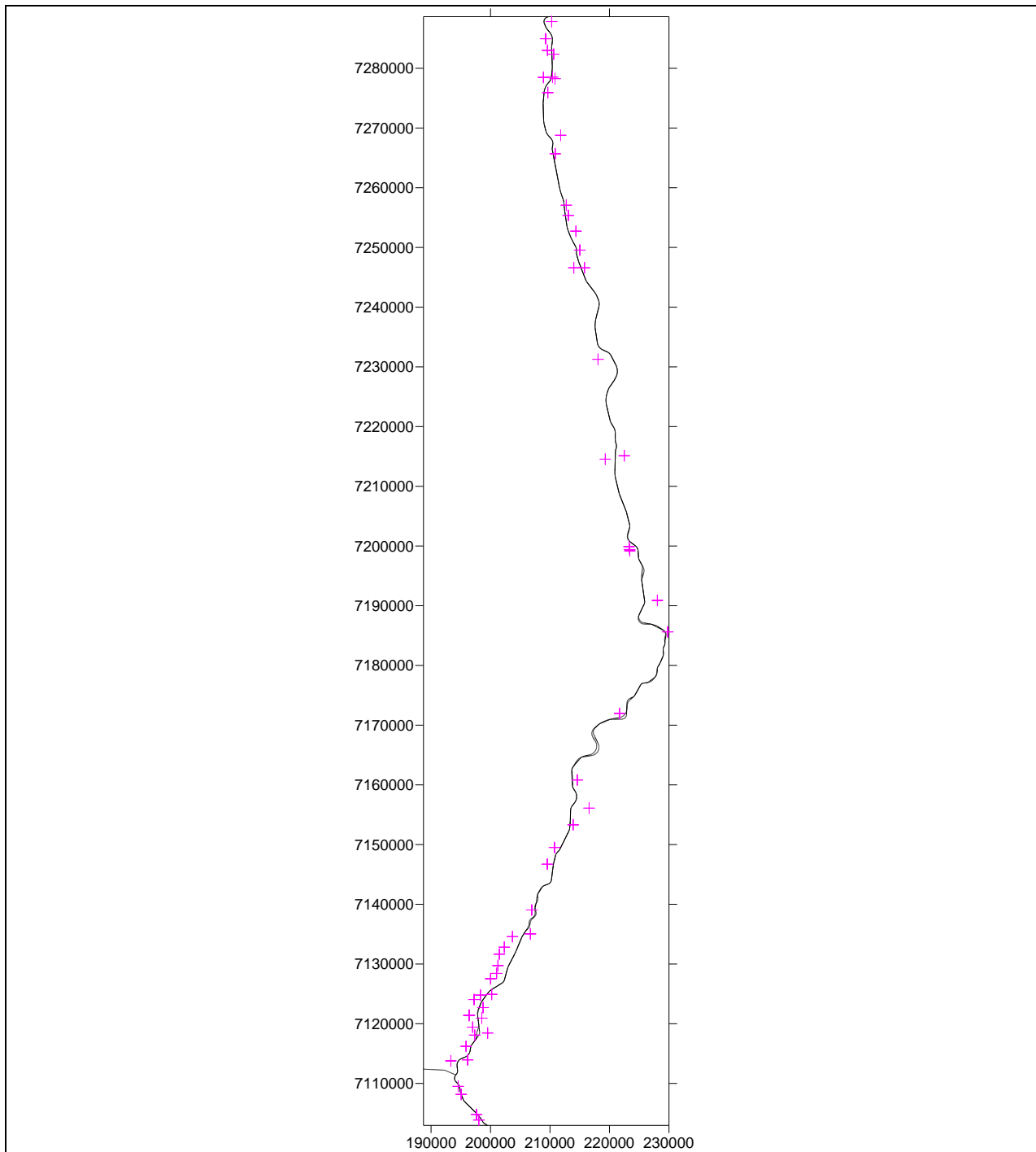
Appendix I

AIR QUALITY MODELLING DATA



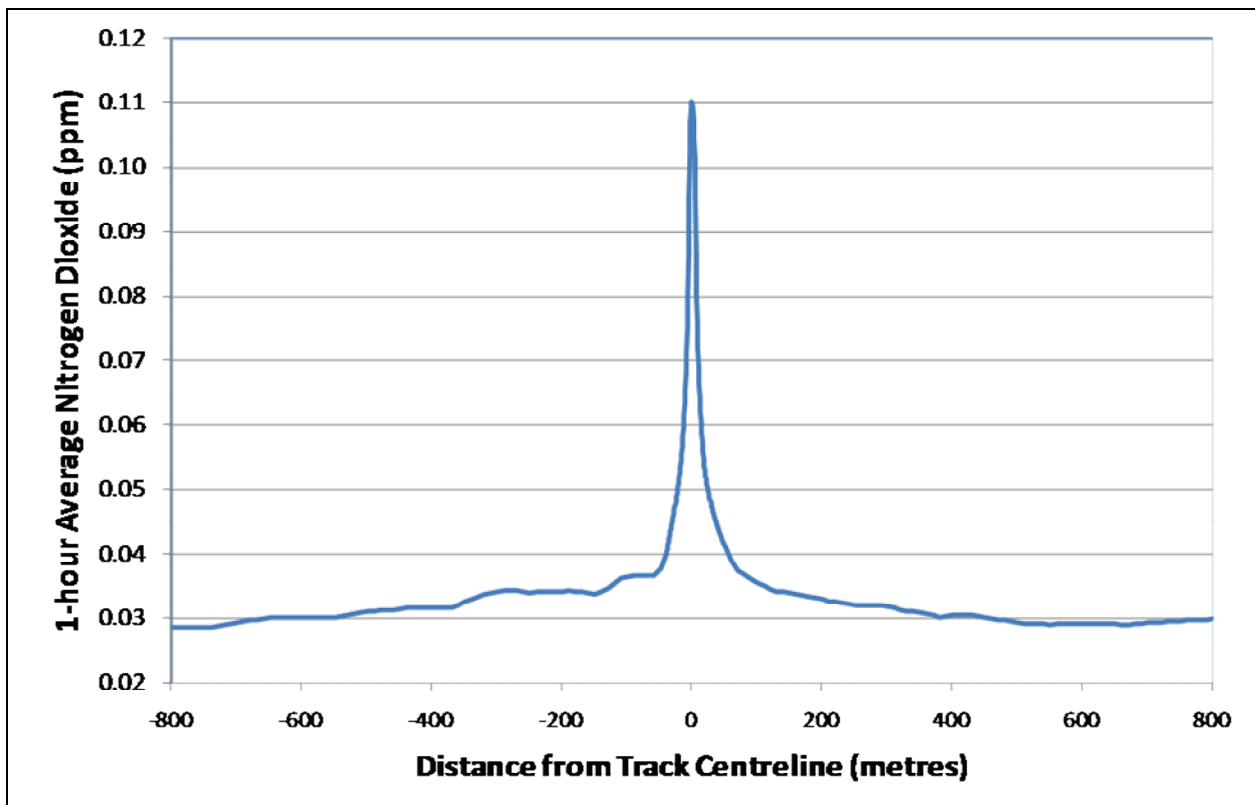
**Figure I-1: Train tracks modelled in the vicinity of Wandoan (left) and Theodore (right)**

<b>Location:</b> Vicinity of Wandoan and Theodore, Qld	<b>Period:</b> N/a	<b>Data source:</b> SBR supplied information	<b>Units:</b> Australian Map Grid coordinates – MGA94 1994 AMG Zone 56.
<b>Type:</b> Surfer Plot		<b>Prepared by:</b> Kim Henville	<b>Date:</b> 10/07/08



**Figure I-2: Sensitive receptor location in the vicinity of the Surat Basin Rail project. Receptors are represented by pink crosses, the train track by a black line.**

<b>Location:</b> Wandoan to Banana, Qld	<b>Period:</b> N/a	<b>Data source:</b> SBR supplied information	<b>Units:</b> Australian Map Grid coordinates – MGA94 1994 AMG Zone 56.
<b>Type:</b> Surfer Post Map		<b>Prepared by:</b> Kim Henville	<b>Date:</b> 10/07/08



**Figure I-3: Cross-section of predicted 1-hour average ground-level concentration of nitrogen dioxide for the Wandoan section of the train line including a background concentration of 0.020 ppm.**

<b>Location:</b> Wandoan section, Qld	<b>Averaging period:</b> 1-hour	<b>Data source:</b> CAL3QHCR	<b>Units:</b> ppm
<b>Type:</b> Cross-section	<b>Goal:</b> NEPM(Air) 0.12 ppm EPP(Air) 0.16 ppm	<b>Prepared by:</b> Kim Henville	<b>Date:</b> 15/10/08

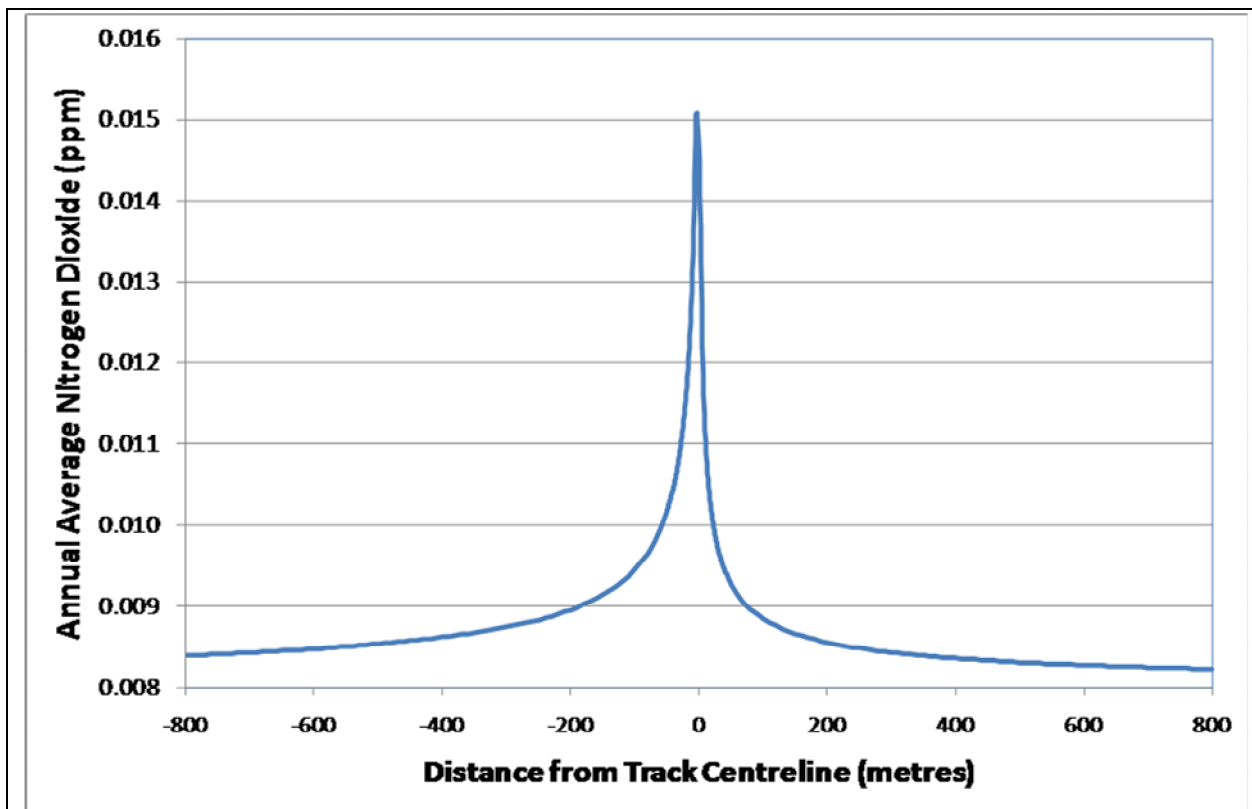


Figure I-4: Cross-section of predicted annual average ground-level concentration of nitrogen dioxide for the Wandoan section of the train line including a background concentration of 0.008 ppm.

<b>Location:</b> Wandoan section, Qld	<b>Averaging period:</b> Annual	<b>Data source:</b> CAL3QHCR	<b>Units:</b> ppm
<b>Type:</b> Cross-section	<b>Goal:</b> EPP(Air) 0.03 ppm	<b>Prepared by:</b> Kim Henville	<b>Date:</b> 15/10/08

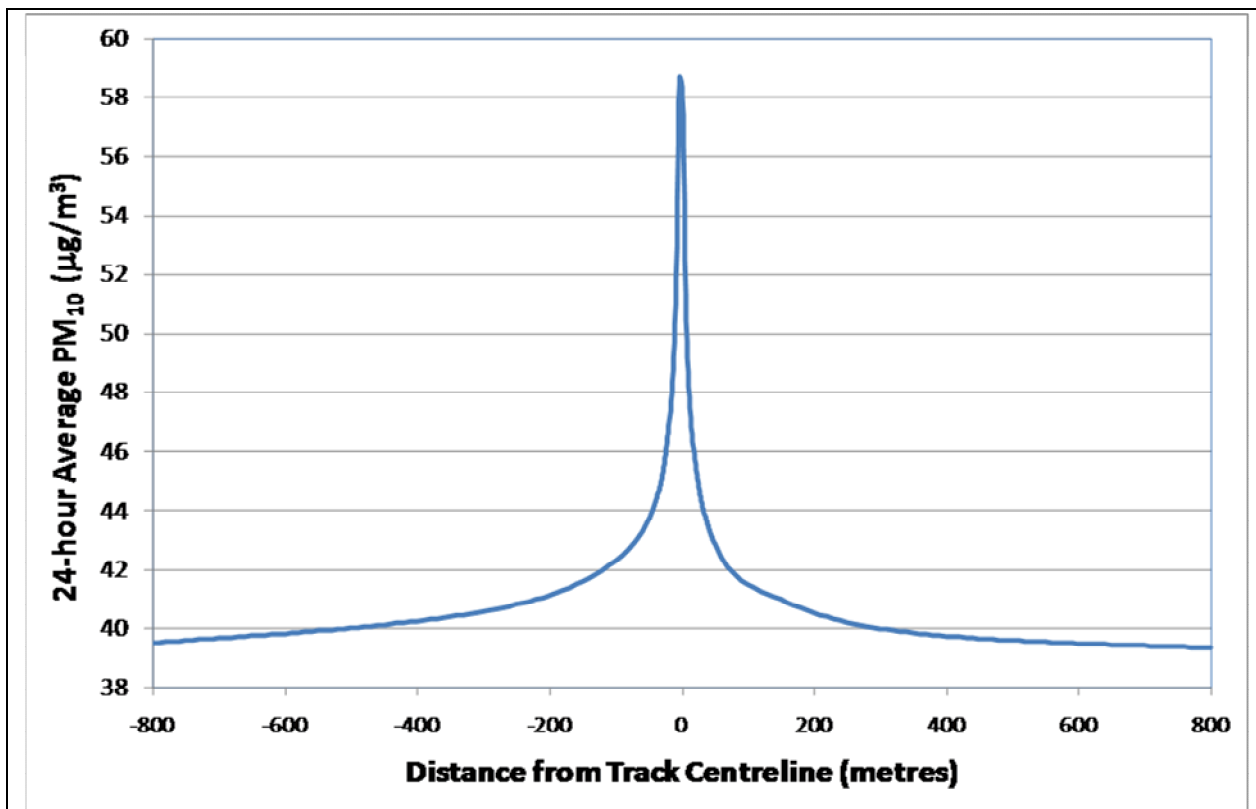


Figure I-5: Cross-section of predicted 24-hour average ground-level concentration of PM<sub>10</sub> for the Wandoan section of the train line including a background concentration of 38.5 µg/m<sup>3</sup>.

Location: Wandoan section, Qld	Averaging period: 24-hour	Data source: CAL3QHCR	Units: µg/m <sup>3</sup>
Type: Cross-section	Goal: NEPM(Air) 50 µg/m <sup>3</sup>	Prepared by: Kim Henville	Date: 15/10/08

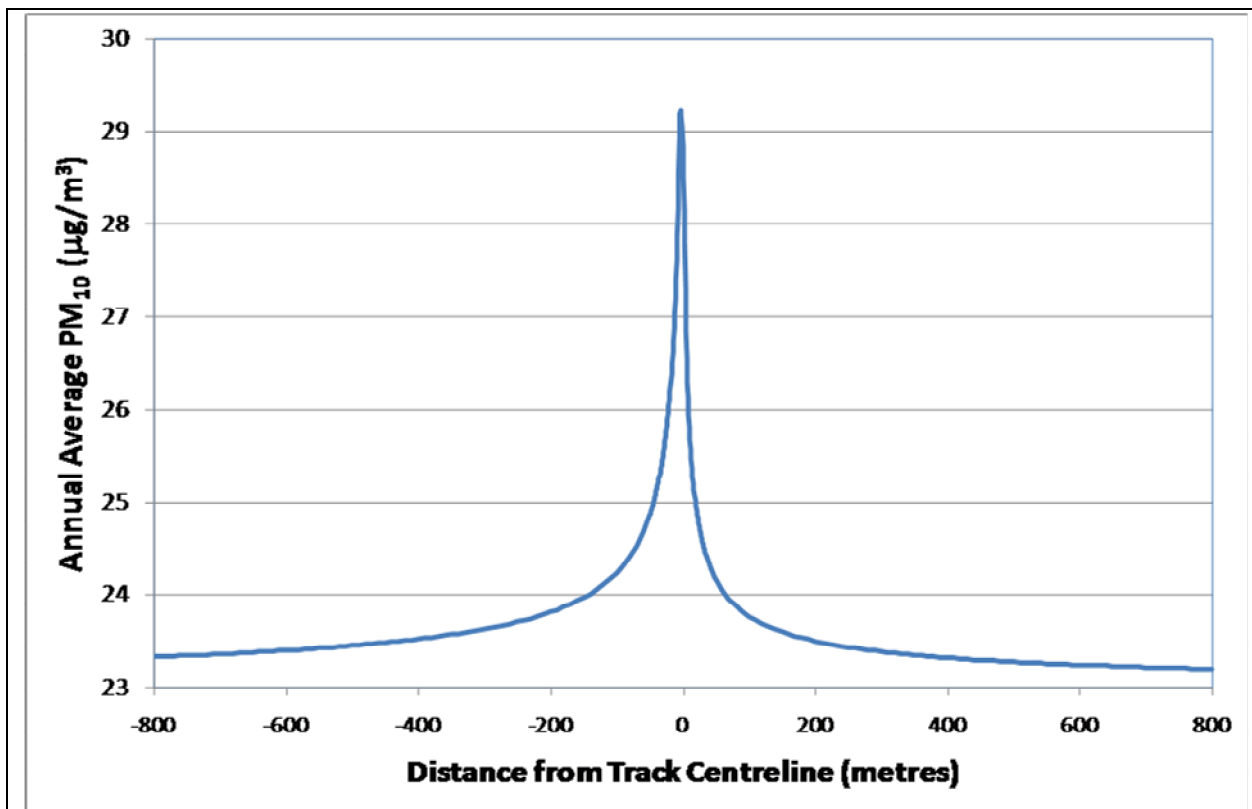


Figure I-6: Cross-section of predicted annual average ground-level concentration of PM<sub>10</sub> for the Wandoan section of the train line including a background concentration of 23.0 µg/m<sup>3</sup>.

<b>Location:</b> Wandoan section, Qld	<b>Averaging period:</b> Annual	<b>Data source:</b> CAL3QHCR	<b>Units:</b> µg/m <sup>3</sup>
<b>Type:</b> Cross-section	<b>Goal:</b> EPP(Air) 50 µg/m <sup>3</sup>	<b>Prepared by:</b> Kim Henville	<b>Date:</b> 15/10/08

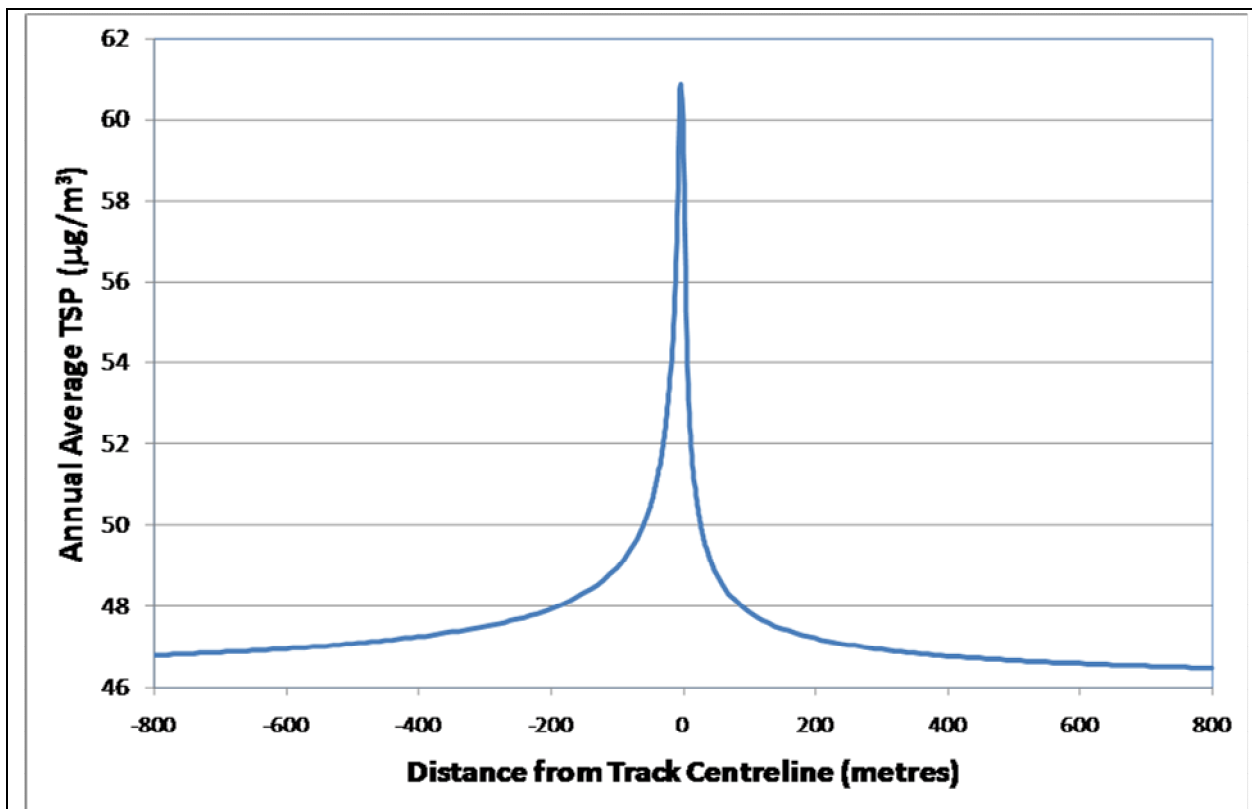
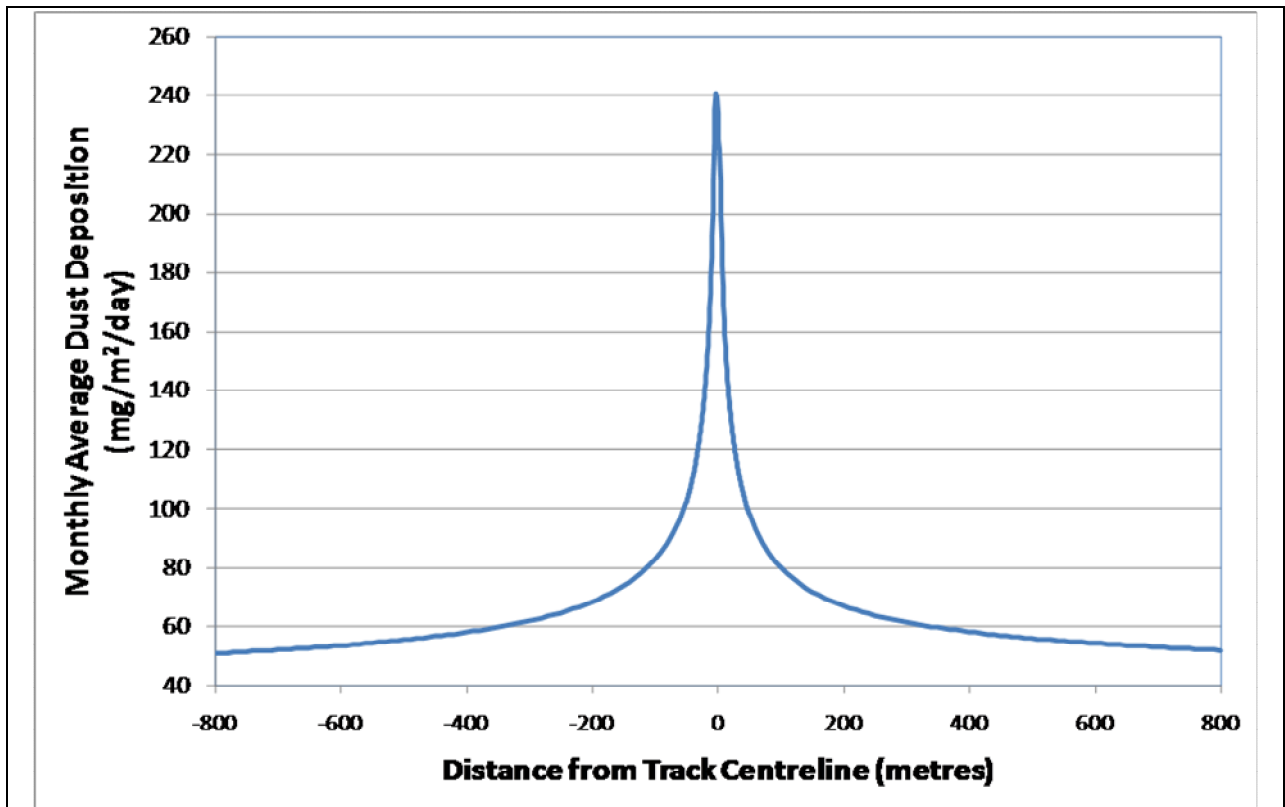


Figure I-7: Cross-section of predicted annual average ground-level concentration of TSP for the Wandoan section of the train line including a background concentration of 46.0 µg/m³.

<b>Location:</b> Wandoan section, Qld	<b>Averaging period:</b> Annual	<b>Data source:</b> CAL3QHCR	<b>Units:</b> µg/m³
<b>Type:</b> Cross-section	<b>Goal:</b> EPP(Air) 90 µg/m³	<b>Prepared by:</b> Kim Henville	<b>Date:</b> 15/10/08





**Figure I-8:** Cross-section of predicted monthly average ground-level dust deposition for the Wandoan section of the train line including a background concentration of 40.0 mg/m<sup>2</sup>/day.

<b>Location:</b> Wandoan section, Qld	<b>Averaging period:</b> Monthly	<b>Data source:</b> CAL3QHCR	<b>Units:</b> µg/m <sup>3</sup>
<b>Type:</b> Cross-section	<b>Guideline:</b> EPA Recommended 120 mg/m <sup>2</sup> /day	<b>Prepared by:</b> Kim Henville	<b>Date:</b> 15/10/08