

Recent Studies on Environmental Technology along Waysides of Railways

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Environmental problems along waysides of railways include the following: noise, ground vibrations, micro-pressure waves radiating from tunnel portals, low-frequency pressure variations caused by passing trains, complex magnetic fields, weeds on embankments, comfort of stations and others. It is necessary to mitigate the effects of these phenomena to aim at environment-friendly railways. This paper describes the outlines of recent studies on the foregoing issues made by Railway Technical Research Institute (RTRI).