

**Reviewer's data (1)**

First name, Surname	Nikolay Barbin
Academic Degree	Dr. Sc in Engineering
Scientific specialty of the defended dissertation	05.16.07 – Metallurgy of technogenic and secondary resources
Academic title	Associate Professor
Full name of the organization	Federal State Budgetary Educational Institution of Higher Education "Ural Institute of the State Fire Service of the Ministry of the Russian Federation for Civil Defense, Emergency Situations and Disaster Relief"
Address, telephone, e-mail	22, Mira street, Ekaterinburg, Russia, 620062 Tel.: +7(343)374-07-06, E-mail: nmbarbin@yandex.ru
Position	Leading researcher at the educational and scientific complex of technosphere safety, fire extinguishing and emergency rescue operations