

List of priority environmental hot spots projects in the Murmansk region for 2009-2013.

1. Air protection and monitoring

Existing projects

M1 and M2 reduction of SO₂ emissions and wastewater discharges at Pechenganickel and Severonickel smelters of Kola Mining Company (KGMK).

M4 – Reduction of SO₂ emissions at the Apatity Heat and Power Plant.

Proposed new projects

A. Development of an automated air monitoring network in the cities of the Murmansk region

2. Protection of water resources and catchment basins

Existing projects

M3 – Improvement of wastewater treatment at OAO Apatit.

M5 – Reduction of wastewater discharges of OAO Kovdor Mining Plant (GOK).

M6 – Improvement of water quality of the Kola River and Lake Bolshoe used for drinking water supply of Murmansk.

M7 – Drinking water supply in Zelenoborsky-1 settlement.

Proposed new projects

B. Reconstruction and upgrade of sewage treatment plants

C. Dewatered sludge composting pad/facility at Murmanskvodokanal (Murmansk water supply and sewage utility).

D. Reconstruction of existing and construction of new sewage treatment plants in Severomorsk and Severomorsk-3.

3. Solid waste

Existing projects

M8 – Upgrade of equipment for the disposal of used luminescent lamps

M10 – Handling of oil containing waste

Proposed new projects

E. Feasibility assessment of the use of biogas produced from solid household waste in the Murmansk region

F. Development of Arctic-adapted technologies for processing and/or decontamination of oil containing wastes.

G. Feasibility assessment of construction of solid household waste processing facilities in Murmansk

H. Monitoring of oil-containing wastes generation, transportation, use, decontamination and disposal.

I. Design development of sites for use (decontamination) and disposal of oil-containing wastes.

4. Mined-land reclamation

Proposed new projects

J. Reclamation of old open-pit mines situated along public roads

K. Reforestation of the “Kuzomen sands”.

L. Clean-up and reclamation of specially protected natural areas of the Murmansk region

5. Clearing of the Kola Bay

Existing projects

M9 – Removal of scrapped ships from the Kola Bay

Priority ranking of environmental hot-spots projects in the Murmansk region for 2009-2013.

1. M1 – Reduction of SO₂ emissions at Pechenganickel smelter of Kola Mining Company (KGMK).
2. M2 – Reduction of SO₂ emissions and wastewater discharges at Severonickel smelter of Kola Mining Company (KGMK).
3. A. Development of an automated air monitoring network in the cities of the Murmansk region
4. M6 – Improvement of water quality of the Kola River and Lake Bolshoe used for drinking water supply of Murmansk.
5. M8 – Upgrade of equipment for the disposal of used luminescent lamps
6. B. Reconstruction and upgrade of sewage treatment plants.
7. C. Dewatered sludge composting pad/facility at Murmanskvodokanal (Murmansk water supply and sewage utility).
8. D. Reconstruction of existing and construction of new sewage treatment plants in Severomorsk and Severomorsk-3.
9. M9 – Removal of scrapped ships from the Kola Bay
10. M10 – Handling of oil containing wastes
11. F. Development of Arctic-adapted technologies for processing and/or decontamination of oil containing wastes.
12. I. Design development of sites for use (decontamination) and disposal of oil-containing wastes.
13. H. Monitoring of oil-containing wastes generation, transportation, use, decontamination and disposal.
14. K. Reforestation of the “Kuzomen sands”.
15. G. Feasibility assessment of construction of solid household waste processing facilities in Murmansk
16. E. Feasibility assessment of the use of biogas produced from solid household waste in the Murmansk region
17. J. Reclamation of old open-pit mines situated along public roads.
18. L. Clean-up and reclamation of specially protected natural areas of the Murmansk region

Projects proposed for exclusion from the hot spot projects list

19. M3 – Improvement of wastewater treatment at OAO Apatit.
20. M4 – Reduction of SO₂ emissions at the Apatity Heat and Power Plant.
21. M5 – Reduction of wastewater discharges of OAO Kovdor Mining Plant (GOK)
22. M7 – Drinking water supply in Zelenoborsky-1 settlement.