



Baltic Marine Environment Protection Commission

Expert Group on Monitoring of Radioactive Substances
in the Baltic Sea

MORS EG 5-2015

Oulu, Finland, 19-21 May 2015

Document title	Gas and Aerosol Releases and Liquid Discharges - LNPP, 2014
Code	4-5
Category	INF
Agenda Item	4 – Data collection, databases and ongoing monitoring programme
Submission date	20.05.2015
Submitted by	Russia
Reference	

Background

This document contains the information on air releases and liquid discharges from Leningrad NPP in 2014 provided by the Russian Federation.

Action required

The Meeting is invited to take note of the information.

Gas and Aerosol Releases in the Environment in 2007-2014

Period	Regulated radionuclides, Bq				
	Noble Radioactive Gases (any mixture)	¹³¹ I (gas + aerosol)	⁶⁰ Co	¹³⁴ Cs	¹³⁷ Cs
Total releases during the year 2014	3,00 E14	1,31 E8	1,52 E8	8,10 E6	2,54 E7
Total releases during the year 2013	7,30 E13	0,00	7,50 E7	3,13 E6	8,13 E6
Total releases during the year 2012	5,65 E13	2,27 E7	1,01 E8	3,74 E5	3,29 E7
Total releases during the year 2011	9,13 E13	2,24 E7	1,33 E8	1,87 E6	3,02 E7
Total releases during the year 2010	2,29 E14	0,00	2,50 E8	1,79 E7	4,40 E7
Total releases during the year 2009	2,52 E14	8,19 E8	8,38 E7	3,5 E7	1,32 E8
Total releases during the year 2008	1,23 E14	1,70 E8	1,62 E8	5,67 E6	7,85 E7
Total releases during the year 2007	3,69 E14	1,70 E9	1,25 E8	1,46 E7	1,53 E8
Allowed releases during the year	2,96 E15	5,84 E10	2,50 E9	1,40 E9	4,00 E9

Liquid Discharges From Leningrad NPP in 2012-2014

Period	Debalanced Waters Discharged to	Amount of discharged waters, thousand m ³	Amount of Discharged Radionuclides, Bq/year			
			Co-60		Cs-137	
			allowed	actual	allowed	actual
2014	Koporsky Bay, Gulf of Finland	There was not discharges of debalanced waters to the Koporsky Bay in 2014	3,90 E9	0	1,10 E9	0
			Cr-51		Mn-54	
			allowed	actual	allowed	actual
			1,40 E12	0	4,30 E10	0
			Co-58			
			allowed	actual		
			1,80 E10	0		
2013	Koporsky Bay, Gulf of Finland	There was not discharges of debalanced waters to the Koporsky Bay in 2013	Co-60		Cs-137	
			allowed	actual	allowed	actual
			3,90 E9	0	1,10 E9	0
			Cr-51		Mn-54	
			allowed	actual	allowed	actual
			1,40 E12	0	4,30 E10	0
			Co-58			
allowed	actual					
1,80 E10	0					
2012	Koporsky Bay, Gulf of Finland	There was not discharges of debalanced waters to the Koporsky Bay in 2012	Co-60		Cs-137	
			allowed	actual	allowed	actual
			3,90 E9	0	1,10 E9	0
			Cr-51		Mn-54	
			allowed	actual	allowed	actual
			1,40 E12	0	4,30 E10	0
			Co-58			
allowed	actual					
1,80 E10	0					