

写真



ワークショップでの調査報告発表



東京一組発表



集合写真

9.2 Clean Project Summary

By the presidium of the Presidential Council of the Russian Federation on Strategic Development and Priority Projects (Minutes of December 21, 2016 N.12)

PASSPORT

Of the Priority project “Reducing the negative impact on the environment through the elimination of objects accumulated damage to the environment and to reduce share disposal of solid municipal waste”

SUMMARY

Name trends	Ecology	
Short name of project	“Clean Country”	Start date: 01/01/2017 End of project: 12/31/2025
Curator	Alexander Khloponin, Deputy Prime Minister	
Senior Official Meeting (SOM) *		
Functional customer	S.E.Donskoy, Minister of Natural Resources and Ecology of the Russian Federation	
Project Manager	M.K.Kerimov, Deputy Minister of Natural Resources and Ecology of the Russian Federation	
Key members of the project	Ministry of Natural Resources and Ecology of the Russian Federation, Ministry of Economic Development of the Russian Federation, the Russian Ministry of Construction, Ministry of Industry and Trade of the Russian Federation Ministry of Energy, the Federal Service for Supervision of Natural Resources, the State Corporation for Assistance to Development, Production and export of high-tech products “Rostec” on behalf of the authorized organization - OOO “RT-Invest”, the highest executive bodies of subjects of the Russian Federation, the Ministry of Construction, Architecture and Housing of the Republic of Tatarstan, the Ministry of Ecology and Natural Republic of Tatarstan resources, the Ministry of Ecology and Nature Management of the Moscow region, representatives of professional, expert communities, the business sector.	
	Implementation of the functions of departmental project office under the Ministry of Russia Order of 28.10.2016, the number 561 is assigned to the State Organization “Institute of Ecology”, subordinated to the Ministry of Russia.	

*Optional position appointed by the Board of the Presidium

CONTENTS OF PRIORITY PROJECTS

Objective of the project	Reducing the negative impact on the environment due to the construction and operation of the 5 objects on the thermal treatment of TCR (4 in the Moscow region and 1 in the Republic of Tatarstan), which will allow by 2023 to reduce the volume of placement of 7% for the whole of the Russian Federation, to achieve “zero dumping” in Kazan with the simultaneous production of electricity 2.68 billion. kWh per year, as well as reducing the primary environmental risks associated with the objects of the accumulated environmental harm to the environment, due to the elimination of 25 objects											
The plan to achieve project indicators	20 Russian Federation, which will restore the end of 2018 of 1.04 thousand. ha, by the end of 2025 - 1.45 thousand hectares of land, improve the environmental conditions of the population living in the amount of 1.6 million people... by 2018, 4.3 million people - before the end of 2025.											
	Index	Type of indicator	*Baseline	Period year								
				2017	2018	2019	2020	2021	2022	2023	2024	2025
	Priority waste											
	1. The proportion of disposal of solid municipal waste after the introduction of technologies of their thermal destruction, % /Ths. Tons (Moscow region)	main	95 / 9500	95 / 9500	95 / 9500	95 / 9500	95 / 9500	90 / 9000	80 / 8000	65 / 6500	65 / 6500	65 / 6500
	2. The share of the disposal of solid municipal waste after the implementation of their thermal technologies neutralization, % / Ths. Tons (Kazan)	main	93 / 591.48	93 / 591.48	93 / 591.48	93 / 591.48	93 / 591.48	80 / 508.8	5 / 31.8	5 / 31.8	5 / 31.8	0
	Priority accumulated waste											
	Index	Type indicators	Baseline **	Period year								
				2017	2018	2019	2020	2021	2022	2023	2024	2025

	1. The number of people whose quality of life will improve in connection with the liquidation and reclamation of objects accumulated environmental harm to the environment, th. People.	main	4321	104	1570	2364	3800	4168	4321	4321	4321	4321
	2. The total area of the restored, including reclaimed land subject to the adverse effects of accumulated environmental damage, thous. ha	main	1.45	0.01	1.04	1.11	1.40	1.43	1.45	1.45	1.45	1.45

* the base value of the index at the reporting date (end of 2016)

** Base value of the index at the reporting date (end of 2016) for the defined parameters as follows:

in terms of 1 - the number of people whose quality of life is broken due to the presence of objects accumulated environmental harm to the environment, thousand pers.

in terms of 2 - total area of disturbed lands, thousand ha..

The value of indicators presented on an accrual basis. Since 2020 the value of indicators will be determined based on the amount of financial support.

project results	<p>Priority "Waste":</p> <ol style="list-style-type: none"> 1. Creating environmentally friendly production facilities for disposal of solid municipal waste from power generation in the amount of 2.68 billion kWh per year. 2. The introduction of international best practices ("best available technologies"), aimed at the environmentally sound management of waste. 3. The implementation of the pilot project (4 plant for the thermal treatment of TCR in the Moscow region and one factory in the city of Kazan) will reduce the sharpness of the environmental problems in the Moscow region (19 million. People), as well as in the
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	<p>Republic of Tatarstan (3.9 mln. Persons) (1/6 total Russian population): reduce the amount of buried TKO in the Moscow region to 30% (about 3000 thousand. m.) to 2023 (from 95% to 65% of the total MSW sent to the Moscow region TCR), which corresponds to a decrease of burial volumes by 7% the whole territory of Russia. (The project contributes to the achievement of the main goals of the region in the field of waste management: reduction of dumping MSW volumes by 45% (4,500 tons) of the total amount of MSW sent to the Moscow region. (10000 thousand. M.)).</p> <p>In Kazan will take you to the model of “zero landfill”, which, if successful, could be extended to other major cities of Russia. This model involves the use of all methods of treatment of MSW, including recycling of secondary raw materials and thermal disposal, which corresponds to the best international practice (Switzerland, Germany and Japan).</p> <p>4. The project prevents harmful emissions into the atmosphere, such as dioxins, are inevitable in fire in landfills and landfills, facilities emissions by thermal treatment of TCR in more than 8000 times lower than emissions in fire in landfills.</p> <p>5. When the project will be located at least 55% of the equipment, and in the case of scaling the model to other regions, the localization level may reach 80-90%. The project will create demand for the Russian manufacturers of equipment, infrastructure contractors and construction companies in the amount of 65 billion. Rubles. in the 2017- 2021 biennium., and open export markets with the potential of over 650 billion. rubles.</p> <p>6. Reducing greenhouse gas emissions as a result of the project will amount to 837.5 thous. Tonnes of CO2 equivalent per year, or 25.1 million. Tonnes of CO2 for the entire period of operation of objects (2021 - 2051 gg.).</p> <p>Priority “accumulated damage to the environment”:</p> <p>1. The area of land affected by the negative impact of objects accumulated damage will be reduced in 2025 to 1.45 thousand ha in the constituent entities of the Russian Federation, determined in accordance with the Rules of provision and distribution of subsidies from the federal budget to the budgets of subjects of the Russian Federation to support regional projects in the field of waste management and elimination of accumulated environmental damage, approved by Resolution of the Russian Government dated August 13, 2016 № 790.</p> <p>2. Improving the environmental conditions of the population living on the territory of the Russian Federation, subject to the negative impact of objects accumulated damage in 2025 to 4.3 million. People in regions of the Russian Federation, determined in accordance with the Rules of provision and distribution of subsidies from the federal budget to the budgets of the Russian Federation on support for regional projects in the field of waste management and elimination of accumulated environmental damage, approved by Resolution of the Russian Government dated August 13, 2016 № 790.</p>
<p>Description of the results of the project operation model</p>	<p>Priority “Waste”: Commissioning of the infrastructure in the treatment of municipal solid waste management, the operation of which will provide waste management and will reduce the burden on the environment.</p>

<p>Project economic model suggests</p> <p>It involves the conclusion of contracts for power supply of renewable energy sources (hereinafter - RES PDM) among consumers of the wholesale electricity and capacity market, and operators of renewable energy generation facilities. DPM provides a mechanism RES investor return on investment and profitability through a previously fixed payment for the cost of the input power.</p> <p>The main condition for the implementation of the project is to spread the RES PDM mechanism to objects on the thermal treatment of waste from power generation.</p> <p>Priority “accumulated damage to the environment”:</p> <p>Selection of projects for inclusion in the national project “Clean Country” was carried out based on the information of the Russian Federation on the facilities provided by the subjects of the accumulated damage to the environment, as well as the provisions of the “Rules of provision and distribution of subsidies from the federal budget to the budgets of subjects of the Russian Federation to support regional projects in the field of waste management and elimination of accumulated environmental damage, approved by RF Government Decree № 790 of August 13, 2016</p> <p>project selection criteria:</p> <p>objects are not exploited;</p> <p>facilities owned by the Russian Federation or municipal property;</p> <p>the presence of the approved design and estimate documentation;</p> <p>availability of the necessary expertise, provided by the Russian Federation;</p> <p>environmental and social effects of the implementation of measures (number of people exposed to the negative impact of polluted territory area);</p> <p>co-financing by the Russian Federation.</p> <p>The elimination of accumulated damage to objects that represent the greatest environmental risks: The implementation of the priority project will provide:</p> <ul style="list-style-type: none"> involvement in economic circulation restored, including reclaimed lands; improving land quality; increasing the investment attractiveness of the areas previously experiencing a negative impact from the cumulative damage to the environment. <p>When implementation of the priority projects will be formed state register of objects of accumulated environmental damage, in order to control the formation of unauthorized waste disposal sites will be used by the information society system of interaction of state bodies and their detection, suppression and elimination (FGIS “Our nature”).</p>	
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STAGES AND REFERENCE POINTS

N.	Name	Type (end stage/ control point)	time
	Priority Project Clean Country		
1	Passport project approved	Check Point	21/12/2016
2	The master plan is approved	Check Point	02/25/2017
3.	Priority of 'waste'		
3.1	The Resolution of the Russian Government "On approval of rules for determining the price at the power generating facilities operating on the basis of the use of waste production and consumption, and on amendments to some acts of the Government of the Russian Federation on the use of renewable energies in the wholesale electricity and capacity market"	Check Point	30/12/2016
3.2	Competitive selection of investment projects for the construction of generating facilities that operate through the use of production and consumption waste	Completion phase	04/28/2017
3.2.1	Publication of results of project selection	Check Point	04/28/2017
3.3	Concluded capacity supply agreements (CSA)	Check Point	07/01/2017
3.4	Selection of land plots for the placement of objects on the thermal treatment of TCR and clearance necessary permits (Moscow region, Kazan)	Completion phase	04/12/2017
3.4.1	Contracts have been signed on the results of the public hearings	Check Point	01/19/2017
3.4.2	Framed title documents for land plots	Check Point	03/01/2017
3.4.3	Decorated urban land plans	Check Point	04/12/2017
3.5	An assessment of the environmental impact assessment (EIA)	Completion phase	04/13/2017
3.5.1	An approval of the EIA in Rospotrebнадзор	Check Point	04/13/2017
3.5.2	An opinion on the results of public hearings	Check Point	04/13/2017
3.6	Design	Completion phase	21/10/2017
3.6.1	I received a package of design and estimate documentation	Check Point	08/01/2017
3.6.2	Obtain expert opinion	Check Point	03/10/2017
3.6.3	Received permission to build	Check Point	21/10/2017
3.7	Construction of facilities, including the construction, installation and commissioning work	Completion phase	01/23/2021
3.8	Localization of production equipment and services	Completion phase	01/10/2021

3.9	Plants derived its design capacity	Check Point	01/01/2022
3.10	It reduced the amount of dumping TKO by 7% in the whole of the Russian Federation	Check Point	01/01/2023
3.11	Reducing the negative impact on the population of Moscow Region numbering 19 million. People.	Check Point	01/01/2023
3.12	Reducing the negative impact on the population of the Republic of Tatarstan, numbering 3.9 million. People.	Check Point	01/01/2023
3.13	Provided electricity generation during the operation of plants for MSW thermal treatment - 2.68 billion kWh annually.	Check Point	01/01/2023
3.14	Operation of plants to completion	Completion phase	30/10/2025
3.15	Proposals for the further dissemination of experience building and operating plants with a thermal destruction of MSW power extraction in the Russian Federation	Check Point	01/11/2022
4. Priority	“accumulated damage to the environment”		
4.1	Agreement on the provision of subsidies to the subjects of the Russian Federation signed in 2017, subsidies to co-finance implementation of the activities provided by the Russian Federation subjects	Check Point	03/01/2017
4.2	Competitive selection of Performers, the conclusion of public contracts within the budget limits in 2017	Completion phase	05/31/2017
4.3	The tender procedures completed	Check Point	05/31/2017
4.4	Public contracts are signed	Check Point	05/31/2017
4.5	The selection of projects for funding for 2018	Check Point	01/11/2017
4.6	Formed and updated information system, the procedure for interaction between society and government agencies to identify, combat and eliminate unauthorized waste disposal sites (FGIS “Our nature”)	Check Point	31/12/2017
4.7	Events with the term of completion of the work completed in 2017, reclaimed 1.4 hectares of land, improved ecological living conditions for more than 90 thousand. People.	Check Point	31/12/2017
4.8	Competitive selection of Performers, the conclusion of public contracts within the budget limits in 2018	Completion phase	05/31/2018
4.9	The tender procedures conducted	Check Point	05/31/2018
4.10	Public contracts are signed	Check Point	05/31/2018

4.11	The selection of projects for funding in 2019	Check Point	01/11/2018
4.12	Events with the term of completion of the work completed in 2018, reclaimed 1,000 hectares of land, improved ecological living conditions for the more than 1.4 million people.	Check Point	31.12.2018
4.13	Competitive selection of Performers, the conclusion of public contracts within the budget limits in 2019	Completion phase	05/31/2019
4.14	The tender procedures conducted	Check Point	05/31/2019
4.15	Public contracts are signed	Check Point	05/31/2019
4.16	The plan of financial support of the project on the 2020-2025 biennium.	Check Point	15/11/2019
4.17	Events with the term completion of the work completed in 2019	Check Point	31.12.2019
4.18	A plan of measures for elimination of accumulated damage to the environment, approved by the specified targets for the implementation of activities in the 2020 - 2025 biennium. Changes to the project passport.	Check Point	31.12.2019
4.19	Implemented all the measures aimed at the elimination of accumulated damage to the environment from waste disposal, past industrial activities	Completion phase	09/30/2025
5	A report to the Government on the completion of project activities, assessment of target achievement	Completion phase	30/12/2025
6	The final report is approved, the project is completed	Check Point	30/12/2025

BUDGET PRIORITY PROJECTS

Sources of financing		Year of realization				Total
		2016	2017	2018	2019	
Priority "Waste"						
Budgetary sources, million rubles.	federal	-	-	-	-	-
	Subjects of the Russian Federation *	-	-	-	-	5 543.24
	local	-	-	-	-	-
Extra-budgetary sources, mln. Rub.		-	23 717.12	64 427.26	65 522.04	84 200.11
TOTAL		-	23 717.12	64 427.26	65 522.04	89 743 35
Priority "accumulated damage to the environment"						
Sources of financing						
		Year of realization				Total**
		2016	2017	2018	2019	
Budgetary sources, million rubles.	Federal ***	-	2923.39	2471.06	2435.2	210.84 **
	Subjects of the Russian Federation	-	1723.53 **	996.12 **	1039.12 **	90.36 **
	local	-	-	-	-	-
Extra-budgetary sources, mln. Rub.		-	-	-	-	-
TOTAL		-	4646.92 **	3467.17 **	3474.32 **	301.20 **
		-	-	-	-	11 889.62 **

* The project involves the support of the Russian Federation only in the form of exemptions on property tax and the regional part income tax for 15 years after the thermal treatment facilities TKO at full capacity

** Requires clarification in the absence of confirmation on the amount of resource support from the budgets of the Russian Federation (2017 - 2019) from the federal budget and the budgets of the Russian Federation for 2020 - 2025.

*** - Included in the total cost of maintaining departmental project office, million rubles: 2017 - 31.5067; 2018 - 30.5118; 2019 - 29.8485

The distribution of grants to subjects of the Russian Federation carried out on the basis of orders of the Russian Federation from October 27, 2016 № DK-P13-226pr "On the distribution of subsidies and other inter-budget transfers from the federal budget to the budgets of subjects of the Russian Federation, the federal law on the federal budget for 2017 and the planning between 2018 and 2019 years", the volume of allocated funds is determined in accordance with the level of co-financing limit of expenditure commitments of the Russian Federation from the federal budget of the Russian Federation subjects for 2017.

KEY RISKS AND OPPORTUNITIES

N.	Name of risk/opportunity	Event of risk prevention/implementation capabilities
1.	<p>Failure or delay in the adoption of regulatory legal acts of the Russian Federation, the mechanism of spreading of RES PDM objects on the thermal treatment of TCR; amendments to the Federal Law of July 3, 2016 № 254-FZ “On Amendments to Certain Legislative Acts of the Russian Federation” in the part of the transfer of the provisions defining the obligation to insert objects into the state register for work on elimination</p>	<p>Revitalization and control of performance time for the development, coordination of draft normative legal acts of the federal executive bodies and their adoption</p>
2.	<p>The lack of financial resources for the implementation of priority project activities</p>	<p>Planning and control of isolation and bring the budget limits funding individual stages of work from the federal budget and the consolidated budgets of the RF constituent entities, private investors, creating favorable conditions for private investors (tax breaks, PPPs, etc.)</p>
3.	<p>Improving the social significance of the activities of the priority project.</p>	<p>Creating jobs in the implementation of measures increasing awareness by informing about achieving environmental effect in terms of reducing objects MSW burial, reducing the environmental load in the territory and populations exposed to the negative impact of objects accumulated environmental harm to the environment.</p>

DESCRIPTION OF PRIORITY PROJECTS

<p>Communication with State program of the Russian Federation</p>	<p>The project is implemented within the framework of the State program of the Russian Federation “Protection Environment” on 2012 - 2020 (approved by Resolution of the Russian Government dated April 15, 2014 № 326)</p>
<p>Linking with other projects and programs</p>	<p>Priority project is linked to regional programs in the field of environmental protection and waste management.</p>
<p>Formal grounds for initiating</p>	<p>Passport project “Clean Country” was prepared on the basis of the Protocol of the Council meeting of the Presidium of the Russian Federation President for Strategic Development and the priority project number 3 dated August 31, 2016 order of the Ministry of Russia № 22-г of September 15, 2016 “On the formation of the Working Group on the preparation of passports of priority projects.”</p> <p>The project is aimed at solving the tasks defined in the following documents:</p> <p>1. Basics of the state policy in the field of environmental development of the Russian Federation for the period up to 2030 (approved by the President of the Russian Federation of April 30, 2012) (tasks for the prevention and reduction of the current negative impact on the environment, ensure environmentally sound waste management and restoration of damaged natural ecological systems);</p> <p>The main activities of the Russian Federation for the period up to 2018 (approved by the Chairman of the Government of the Russian Federation of May 14, 2015) (use of natural resources and the environment);</p> <p>The state program “Environment” on 2012 - 2020 (approved by Resolution of the Russian Government dated April 15, 2014 № 326).</p> <p>Plan key activities for the in 2017 in the Russian Federation Year of Ecology (approved by the Federal Government on June 2, 2016 № 1082-п)</p>
<p>Additional Information</p>	<p>The main condition for the implementation of the pilot project for the construction of generating facilities for thermal treatment of municipal solid waste in the Moscow region and in the Republic of Tatarstan is the spread of renewable energy facilities on the DPM mechanism for thermal waste disposal.</p>