



Sakhalin Energy Investment Company Ltd.

**Oil Spill Response Plan for the Onshore
Pipeline Transport System**

VOLUME 1

Document No. 5600-S-90-04-P-0001-00
Revision 03

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**OSRP FOR THE ONSHORE PIPELINE TRANSPORT
SYSTEM**

0

APPROVAL SHEET

APPROVED BY

**Chief Executive Officer of
Sakhalin Energy Investment
Company Ltd.**

R. Yu. Dashkov

_____ 2019

Seal



OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM

0

Order On the Introduction of the Oil Spill Response Plan for the Onshore Pipeline Transport System

*Компания «Сахалин Энерджи Инвестмент Компани Лтд.»,
имеющая филиал в г. Южно-Сахалинске
Company "Sakhalin Energy Investment Company Ltd." with branch in Yuzhno-Sakhalinsk*

ПРИКАЗ/ORDER
No. 2019-01-46-OR-0074-D

Дата/Date: 6 сентября 2019 г.

6 September 2019

«О введении в действие «Плана по предупреждению и ликвидации разливов нефти и нефтепродуктов для сухопутной трубопроводной транспортной системы»»

On introduction of the Oil Spill Prevention and Response Plan (OSR Plan) for the Onshore Pipeline Transportation System

В соответствии с требованиями «Правил разработки и согласования планов по предупреждению и ликвидации разливов нефти и нефтепродуктов на территории Российской Федерации», утвержденных приказом МЧС России от 28 декабря 2004 года № 621, зарегистрированном в Минюсте России 14.04.2005 № 6514,

As per the requirements of the Regulations for development and approval of the OSR plans in the Russian Federation approved by the Order of MChS of Russia No. 621 dated 28 December 2004 registered in the RF Ministry of Justice with No. 6514 on 14 April 2005,

ПРИКАЗЫВАЮ:

I HEREBY ORDER AS FOLLOWS:

Ввести в действие «План по предупреждению и ликвидации разливов нефти и нефтепродуктов для сухопутной трубопроводной транспортной системы (далее План)» № 5600-S-90-04-P-0001 (редакция 03) с 09 сентября 2019 г. (Приложение)

Introduce the OSR Plan for the Onshore Pipeline Transportation System No. 5600-S-90-04-P-0001 (Rev. No. 3) from 09 September 2019 (Appendix).

Назначить ответственным за хранение Плана - Гутника А. Н., начальника отдела по делам ГО и ЧС.

Assign A. N. Gutnik, Emergency Response Manager to be responsible for keeping of the OSR Plan.

Установить место хранения бумажной версии Плана в центре координации действий в чрезвычайных ситуациях (комн. № 321 в здании СЭБ-1). Разместить электронную версию Плана в контролируемой области корпоративной базы данных UNICA.

Ensure storage of the hard copy of the OSR Plan in the ER Coordination Center (Office 321, SEB-1) and upload the electronic version of the OSR Plan in UNICA corporate database.

Определить срок хранения документа 5 лет с последующей пролонгацией по мере необходимости.

The document shall be stored for 5 years with further extension if necessary.

Назначить ответственным за уведомление органов исполнительной власти,

Assign A. N. Gutnik, Emergency Response Manager to be responsible for notification of

Город/City: Южно-Сахалинск /Yuzhno-Sakhalinsk
Исполнил/Prepared by: Петр Пак/Petr Pak
Телефон/Phone: 8 (4242) 66-46-13

Стр./Page 1 из/of 3



OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM

0

Order On the Introduction of the Oil Spill Response Plan for the Onshore Pipeline Transport System


*Компания «Сахалин Энерджи Инвестмент Компани Лтд.»,
имеющая филиал в г. Южно-Сахалинске
Company "Sakhalin Energy Investment Company Ltd." with branch in Yuzhno-Sakhalinsk*

ПРИКАЗ/ORDER
No. 2019-01-46-OR-0074-D

утвердивших План, Гутника А. Н., the executive bodies which approved the
начальника отдела по делам ГО и ЧС. OSR Plan.

Признать утратившим силу «План по предупреждению и ликвидации разливов нефти и нефтепродуктов для сухопутной трубопроводной транспортной системы», введенный в действие приказом от 28.06.2013 № 2013-17-17-OR-0044-D. Утративший силу План отправить в архив.

The OSR Plan for the Onshore Pipeline Transportation System which have been put into effect by the Order No. 2013-17-17-OR-0044-D dated 28 June 2013 to be considered as non-effective. Non-effective OSR Plan to be submitted to archive.


Оле Мыккестад / Ole Myklestad

Врио Главного исполнительного директора, Директор по производству /
Acting Chief Executive Officer, Production Director

Приложение: «План по предупреждению и ликвидации разливов нефти и нефтепродуктов для сухопутной трубопроводной транспортной системы» № 5600-S-90-04-P-0001 (редакция 03).



PRIGORODNOYE ONSHORE OIL SPILL RESPONSE PLAN

0

APPROVAL SHEET

Approval by the Russian Federation's Ministry of Civil Defence, Emergencies and the Elimination of the Consequences of Natural Disasters



RUSSIAN FEDERATION'S MINISTRY OF CIVIL DEFENCE, EMERGENCIES AND THE ELIMINATION OF THE CONSEQUENCES OF NATURAL DISASTERS (MCHS OF RUSSIA)

Sakhalin Energy Investment Company Ltd.

35 Dzerzhinskogo Str.,
Yuzhno-Sakhalinsk, 893020

Main Department of MChS for Sakhalin Oblast

3 Teatralny Proezd, Moscow, 109012
Tel.: 8 (499) 983-79-01; fax: 8 (495) 624-19-46
Teletype: 114-933 PHOTON, 114-934 PHOTON

Сахалин Энерджи Инвестмент Компани Лтд. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
№ 2019-INC-Y-01-00691-R		
Дата/Date 28/06/2019		
Получение/Received by	почтой/mail	✓
	лично/to hand	
	факсе/fax	
Примечания/Notes		
PrD		

14 June 2019 No. 11-2-2284

To No. _____ of _____

On Review of the OSR Plans

MChS of Russia has reviewed and hereby approves the Oil Spill Prevention and Response Plans for the Prigorodnoye Onshore Facilities, the Onshore Processing Facility (OPF), and the Transport Pipeline System (hereinafter referred to as the Plans).

To practise the implementation of each Plan and interaction during oil spill response operations, it is necessary to conduct an emergency response training and send to the MChS a report signed by the head of the organisation, the officials of the territorial authorities of the MChS of Russia, relevant federal executive bodies participating in the training, as well as the Chairman of the KChS&FS of the constituent entity of the Russian Federation in order to ensure coordination in fulfilling tasks related to emergency prevention and response in the territory of the constituent entity of the Russian Federation.

The training report shall include a conclusion on the sufficiency and preparedness of the engaged manpower and resources of emergency response teams for oil spill containment and response envisaged by the Plans.

Deputy Director of the Department for Civil Defence and Population Protection /signature/

S. V. Akatyev

Prepared by: I. A. Mefyodov
(499) 216-95-84

783834

	PRIGORODNOYE ONSHORE OIL SPILL RESPONSE PLAN	0
	APPROVAL SHEET	

Approval of the Ministry of Energy of the Russian Federation

**Ministry of Energy of the
Russian Federation**
(MINENERGO OF RUSSIA)

Sakhalin Energy Investment
Company Ltd.

**Oil and Gas Production and
Transportation Department**

35 Dzerzhinskogo Str., Yuzhno-
Sakhalinsk, 693020

42 Shepkina Str., Bld. 1, Bld. 2, Moscow, GSP-6,
107996

Tel.: +7 (495) 631-88-61, fax: +7 (495) 631-98-62

13.08.2019 No. 05-2596

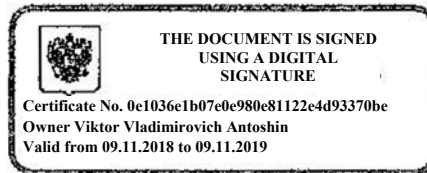
To No. _____

Сахалин Энерджи Инвестмент Компани Лтд. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
№ 2019-INC-Y-17-00249		
Дата/Date 28.08.2019		
Получение/Received by	почтой/mail	✓
	лично/to hand	
	факс/fax	
Примечания/Notes		

On OSRP approval

The Oil and Gas Production and Transportation Department notifies that the Oil Spill Prevention and Response Plan for the Prigorodnoye Offshore Facilities, the Oil Spill Prevention and Response Plan for the Onshore Processing Facility, and the Oil Spill Prevention and Response Plan for the Onshore Transport Pipeline System have been approved by Order of the Ministry of Energy of the Russian Federation No. 843 of 12 August 2019.

Deputy Director



V. V. Antoshin

V. A. Gontar
495-631-88-43



PRIGORODNOYE ONSHORE OIL SPILL RESPONSE PLAN

0

APPROVAL SHEET

Approval by the Siberian Regional Centre of the MChS of Russia



MChS OF RUSSIA

SIBERIAN REGIONAL CENTRE FOR CIVIL
DEFENCE, EMERGENCIES AND THE
ELIMINATION OF THE CONSEQUENCES OF
NATURAL DISASTERS (Siberian Regional

Centre of the MChS of Russia)

42 Leningradskaya Str., Krasnoyarsk, 660074
fax (8-391) 266-12-56, tel.: (8-391) 266-12-68.
FLUXIA

26.06.2018 No. 9-1-7-4278

On Review of the OSR Plans

To Director General of Sakhalin
Energy R. Yu. Dashkov

35 Dzerzhinskogo Str., Yuzhno-
Sakhalinsk, Sakhalin Oblast,
693020

Сахалин Энерджи Инвестмент Компани ЛТД. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
№ 2018-INC-Y-01-00634		
Дата/Date 26.06.2018		
Получение/Received by	почтой/mail	<input checked="" type="checkbox"/>
	лично/to hand	<input type="checkbox"/>
	факс/fax	<input type="checkbox"/>
Примечания/Notes		
S. Litvinov		

Dear Mr. Dashkov,

The Siberian Regional Centre of the MChS of Russia has reviewed the Sakhalin Energy Oil Spill Prevention and Response Plans for the Prigorodnoye Onshore Facilities, the Onshore Processing Facility, and the Onshore Transport Pipeline System (hereinafter referred to as the OSR Plans).

The submitted OSR Plans have been agreed based on the materials presented and in accordance with Clause 18 of the Rules for Development and Approval of Oil Spill Prevention and Response Plans in the Russian Federation (approved by the MChS of Russia Order No. 621 (as amended by Orders of the MChS of Russia No. 2 of 17 January 2011 and No. 541 of 12 September 2012)).

Let me inform you that it is necessary to send the OSR Plans to the Civil Defence Department of the MChS of Russia for approval.

Attachment: Sakhalin Energy Oil Spill Prevention and Response Plans, in 1 copy

Deputy Head of the Siberian Regional Centre of the
MChS of Russia (Aviation)
Class 2 State Counsellor of the Russian Federation
/signature/

A. A.
Gruzdov



**PRIGORODNOYE ONSHORE OIL SPILL RESPONSE
PLAN**

0

APPROVAL SHEET

Oil Spill Prevention and Response Plan for the Prigorodnoye Onshore Facilities

**APPROVAL SHEET OF
the Oil Spill Prevention and Response Plan for the Prigorodnoye Onshore Facilities**

AGREED

Deputy Head of the Siberian Regional
Centre of the MChS of Russia
(Aviation)
Class 2 State Counsellor of the
Russian Federation
/signature/ _____ A. A. Gruzdov
27.06.2018

/seal/

MChS OF RUSSIA SIBERIAN
REGIONAL CENTRE FOR CIVIL
DEFENCE, EMERGENCIES AND
THE ELIMINATION OF THE
CONSEQUENCES OF NATURAL
DISASTERS
OGRN 1042402979442
INN 2466124397

Seal



**PRIGORODNOYE ONSHORE OIL SPILL RESPONSE
PLAN**

0

APPROVAL SHEET

Approval by the Main Department of MChS for Sakhalin Oblast



**MChS OF
RUSSIA**

**MAIN DEPARTMENT OF THE MINISTRY OF CIVIL
DEFENCE, EMERGENCIES AND THE ELIMINATION
OF THE CONSEQUENCES OF NATURAL DISASTERS
FOR SAKHALIN OBLAST**

**(Main Department of MChS of Russia for
Sakhalin Oblast)**

129 Lenina Str., Yuzhno-Sakhalinsk, 693000

Tel.: 49-85-05, fax: 72-63-85

E-mail: mchs@emercom.dsc

24 May 2018 No. 2803-3

To Ref. No. 2018-OUT-Y-17-00182 of 19.04.2018

To Chief Executive Officer of Sakhalin
Energy Investment Company Ltd.

R. Yu. Dashkov

On Approval of the Plan

Dear Mr. Dashkov,

The Main Department of MChS for Sakhalin Oblast has reviewed the submitted Oil Spill Prevention and Response Plan for the Prigorodnoye Onshore Facilities (hereinafter referred to as the Plan) and approved it within the scope of its authority.

Please submit the approved copy of the Plan (including its electronic form) to the Main Department of MChS for Sakhalin Oblast.

Head of the Main Department
/signature/

G. V. Dorovskikh
49-85-52

Сахалин Энерджи Инвестмент Компани ЛТД. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
№ 2018-INC-Y-01-00559		
Дата/Date 14.06.2018		
Получение/Received by	почтой/mail	E-mail
	лично/to hand	
	факс/fax	
Примечания/Notes		
S. Litvinov		

D. V. Ilyinov

	PRIGORODNOYE ONSHORE OIL SPILL RESPONSE PLAN	0
	APPROVAL SHEET	

Approval by Order of the Sakhalin Oblast KChS&FS



SAKHALIN OBLAST EMERGENCIES AND FIRE SAFETY COMMITTEE
(KChS&FS)

ORDER

24 May 2018

Yuzhno-Sakhalinsk

No. 167

On the Approval of the Oil Spill Response Plan for the Onshore Pipeline Transport System

Pursuant to MChS of Russia Order No. 621 of 28 December 2004 On Approval of the Rules for Development and Approval of Oil Spill Prevention and Response Plans in the Russian Federation (registered with the Ministry of Justice of the Russian Federation, registration No. 6514), the Sakhalin Oblast Emergencies and Fire Safety Committee has **resolved**:

1. To approve, within the scope of its authority, the Oil Spill Prevention and Response Plan for the Prigorodnoye Onshore Facilities Oil Spill Response Plan for the Onshore Pipeline Transport System (hereinafter referred to as the Plan).
2. To request the management of Sakhalin Energy Investment Company Ltd. to submit the approved copy of the Plan to the Main Department of MChS for Sakhalin Oblast.
3. To assign the responsibility for control over the execution of this order to the Main Department of MChS for Sakhalin Oblast (D. Ilyinov).

Deputy Chairperson of the Sakhalin Oblast
Emergencies and Fire Safety Committee
(KChS&FS), Acting Deputy Chairperson of
the Sakhalin Oblast Government
/signature/ D. V. Ilyanov

/signature/
V. S. Sidorenko



**PRIGORODNOYE ONSHORE OIL SPILL RESPONSE
PLAN**

0

APPROVAL SHEET

**Approval by the Federal Service for Ecological, Technological, and Nuclear Supervision
(Rostekhnadzor)**



**FEDERAL ENVIRONMENTAL, INDUSTRIAL AND
NUCLEAR SUPERVISION SERVICE
(ROSTEKHNADZOR)**

4 A. Lukyanova, Bld. 1, Moscow, 105066
Tel.: (495) 647-60-81, fax: +7 (495) 645-89-86
E-mail: rostekhnadzor@gosnadzor.ru
<http://www.gosnadzor.ru>
OKPO 00083701, OGRN 1047796607650
INN/KPP: 7709561778/770901001

To the Head of Approvals and Compliance
of Sakhalin Energy Investment Company
Ltd.

S. G. Litvinov

20.02.2019 No. 14-01-01/299
To No. 2019-OUT-Y-17-
No. 00063 08.02.2019

35 Dzerzhinskogo Str., Yuzhno-
Sakhalinsk, 693020

On Review of the Appeal

The Department for Supervision of Oil and Gas Complex Facilities has reviewed and approves, within the scope of its authority, the following submitted documents:

- Oil Spill Prevention and Response Plan for the Prigorodnoye Onshore Facilities;
- Oil Spill Prevention and Response Plan for the Onshore Processing Facility;
- Oil Spill Prevention and Response Plan for the Onshore Transport Pipeline

System.

Head of the Department for Supervision of Oil and Gas
Complex Facilities /signature/

S. A. Zhulina

A. Yu. Siluyanov
(495) 6459479*51-38

Сахалин Энерджи Инвестмент Компани Лтд. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
№ 2019-INC-Y-17-00083		
Дата/Date 05.03.2019		
Получение/Received by	почтой/mail	✓
	лично/to hand	
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Примечания/Notes		



OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM

0

APPROVAL SHEET

Approval by the Sakhalin Department of Rostekhnadzor



FEDERAL SERVICE FOR ECOLOGICAL,
TECHNOLOGICAL AND NUCLEAR SUPERVISION
(ROSTEKHNADZOR)

Sakhalin Department of Rostekhnadzor

32 Karl Marx Str., Yuzhno-Sakhalinsk, 693020
tel.: (84242) 22-48-70, fax: (84242) 23-21-64,
e-mail: utent@sahal.gosnadzor.ru
http://www.sahal.gosnadzor.ru
OKPO 02844305, OGRN 1026500534268
INN 6501026709, KPP 650101001

20 September 2018

No. 01-07/6881

To

No. 2018-QUT-Y-17-00184 of 19.04.2018

On Approval of the OSR Plans

To the Head of Approvals and
Compliance of Sakhalin Energy
Investment Company Ltd.

S. G. Litvinov

35 Dzerzhinskogo Str., Yuzhno-
Sakhalinsk, 693020, Sakhalin Oblast

Dear Mr. Litvinov,

Having reviewed the submitted documents:

Oil Spill Prevention and Response Plan for the Prigorodnoye Onshore Facilities;

Oil Spill Prevention and Response Plan for the Onshore Processing Facility;

Oil Spill Prevention and Response Plan for the Onshore Transport Pipeline System,
the Sakhalin Department of Rostekhnadzor has approved the above plans.

Department Head

/signature/

S. G. Istomin

Prepared by:

B. M. Khashtyrov

+7 (4242) 22-48-69

Сахалин Энерджи Инвестмент Компани Лтд. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
No. 2018-INC-Y-17-00245		
Дата/Date 21.08.2018		
Получение/Received by	почтой/mail	✓
	лично/to hand	
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Примечания/Notes		

**OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM****0****APPROVAL SHEET****Approval by the Department of Rosselkhoznadzor for Primorsky Krai and Sakhalin Oblast**

FEDERAL SERVICE FOR VETERINARY AND PHYTOSANITARY SUPERVISION

Department of Rosselkhoznadzor for Primorsky Krai and Sakhalin Oblast33 Voropaeva Str., Vladivostok, 690034
Tel.: 8 (423) 296-47-18, fax: 8 (423) 296-48-36
E-mail: primnadzor@yandex.ru
22 MAY 2018 No. 01-25/2137

To No. 2018-OUT-Y-17-00185

To the Head of Approvals and Compliance

S. G. Litvinov

35 Dzerzhinskogo Str., Yuzhno-Sakhalinsk, 693020, Sakhalin Oblast

On Review of the Plans

We inform you that the Department of Rosselkhoznadzor for Primorsky Krai and Sakhalin Oblast (hereinafter referred to as the Department) has received the Oil Spill Prevention and Response Plans (hereinafter referred to as the Plans).

Pursuant to Clause 4 of the Regulation on State Land Supervision, approved by Decree of the RF Government No. 1 of 02 January 2015, the Department carries out state land supervision over compliance with land legislation on agricultural lands, the turnover of which is regulated by Federal Law No. 101-FZ of 24 July 2002 On the Turnover of Agricultural Land.

Since the land plots indicated in the Plans do not refer to the agricultural land category, the Department is not authorised to approve the Plans.

Head of Department

/signature/ D. G. Zdanovich

M. I. Yakovleva
(423) 296 37 63

Сахалин Энерджи Инвестмент Компани Лтд. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
No. 2018-INC-Y-17-00168		
Дата/Date 29.05.2018		
Получение/Received by	почтой/mail	<input checked="" type="checkbox"/>
	лично/to hand	<input type="checkbox"/>
	факс/fax	<input type="checkbox"/>
Примечания/Notes		

041725



OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM

0

APPROVAL SHEET

Approval by the Sakhalin Oblast Ministry of Natural Resources and Environmental Protection



SAKHALIN OBLAST MINISTRY OF NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION

107 Mira Prospekt, Office 70, Yuzhno-Sakhalinsk, 693020

tel.: (4242) 498-201, fax: (4242) 498-216

e-mail: mpr@sakhalin.gov.ru, website: <http://mpr.admsakhalin.ru>

Russian National Classifier of Businesses and Organisations (OKPO): 77117942, Primary State Registration Number (OGRN): 1056500737556, Taxpayer Identification Number (INN): 6501162540, Tax Registration Reason Code (KPP): 650101001

15 May 2018 No. 3.06-2043/18

To No. 2018-OUT-Y-17-00183 of 19 April 2018

Сахалин Энерджи Инвестмент Компани Лтд. Sakhalin Energy Investment Company Ltd.		
Входящий/Incoming		
No. 2018-INC-Y-17-00158		
Дата/Date 18.05.2018		
Получение/Received by	почтой/mail	E-mail
	лично/to hand	
	факс/fax	
Примечания/Notes		
Alexander Gutnik		

To the Head of Approvals and Compliance of Sakhalin Energy Investment Company Ltd.

S. G. Litvinov

Dear Mr. Litvinov,

The Sakhalin Oblast Ministry of Natural Resources and Environmental Protection has reviewed and approved, within the scope of its authority, the revised and amended OSR Plans:

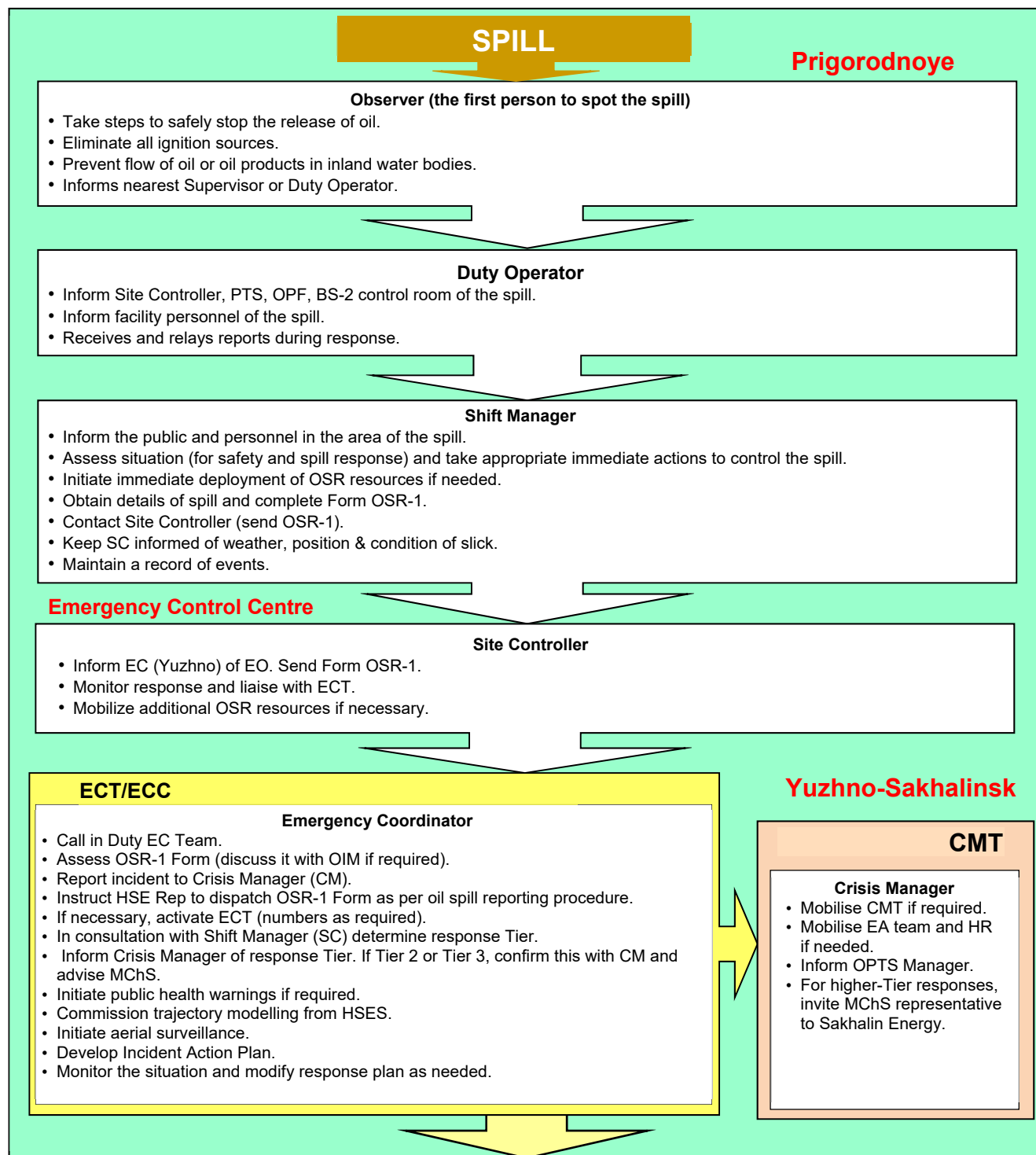
- for the Prigorodnoye Onshore Facilities;
- for the Onshore Processing Facility;
- for the Onshore Transport Pipeline System.

After the completion of the agreement procedure, approval and putting into effect of the Plans, one copy of the Plans (on a CD disk) shall be sent to the Ministry for further use in the work.

Minister /signature/

A. V. Romanov

Ref. No. 3.06-2102/18(p)(2.0)



Organisations to Be Notified in the Event of Oil Spill

(according to the emergency information criteria, approved by Order of MChS of Russia No. 329 of 08 July 2004)

Spill characteristics			Government agency / organisation	Responsible Person
Origin	Location	Volume/Level		
Any	Water bodies Land	Up to 5.0 t Up to 20 t	Main Department of the MChS of Russia for Sakhalin Oblast	Emergency Coordinator (EC) through the HSE duty representative
Any	Water bodies Land	Over 5.0 t Over 20 t	Main Department of MChS for Sakhalin Oblast / immediately	
Any	Sea (when spilled oil reaches Aniva Bay)	Any spill	Main Department of MChS for Sakhalin Oblast / immediately	



OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM

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SUMMARY

Oil Response Plan for the Onshore Pipeline Transport System contains 33 figures, 46 tables, and 21 appendices. The Plan was developed by Sakhalin Energy Investment Company and is a Facility OSR Plan of Sakhalin Energy.

The Oil Spill Response Plan for the Onshore Pipeline Transport System is classified as a federal-level response plan and is enacted for five years from the moment when it is put into effect by the order of Sakhalin Energy.

This OSR Plan covers the territory of Sakhalin Island where the Sakhalin Energy trunk pipeline is laid: from the landfall of the offshore pipelines from the Piltun-Astokhskoye and Lunskoye fields in the north of the island to the site of the Liquefied Natural Gas (LNG) Plant and the Oil Export Terminal (OET) in Prigorodnoye on the Aniva Bay coast in the south. In the south, the Plan's coverage area extends to the place where the pipeline crosses the bunding of the OET oil tanks located on the LNG/OET site.

This Plan provides for measures to prevent, contain and respond to oil spills on the soil, in water areas of rivers, other waterways and inland water bodies that may be affected by oil spills in the most adverse scenarios. This OSR Plan is fully interconnected with relevant emergency prevention and response plans, including fire safety plans.

Pursuant to the level of this OSR plan, measures have been planned for the prevention of and response to emergency situations (oil spill) (hereinafter referred to as E/O), as well as oil spills during accidents and incidents that do not fall within the category of emergency situations and accidents. The Plan specifies the composition of manpower and resources, calendar plans of operational measures in the event of a threat, occurrence and response to E/O, and defines the procedure for responding to oil spills and emergencies, algorithms for oil spill containment and response action during accidents and E/O. The Plan also defines the procedure for the interaction between the company's and engaged third-party manpower and resources.



OSRP FOR THE ONSHORE PIPELINE TRANSPORT SYSTEM

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I. GENERAL

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w/o number	Russian	OSR contractor Yuzhno- Sakhalinsk	Head of OSR contractor organisation



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LIST OF ABBREVIATIONS

CO ₂	carbon dioxide
H ₂ S	hydrogen sulphide
NO _x	nitrogen oxides
SO ₂	sulphur dioxide
UNICA	Sakhalin Energy document management system and database
ADIOS	(Automated Data Inquiry for Oil Spills) software programme for automated modelling of oil weathering
OILMAP	software programme for sea surface oil spill response simulation
SPA	seaport administration
API	American Petroleum Institute
ERD	Emergency Response Depot
TLU	Tanker Loading Unit
RF/SC	Radio Frequency / Simplex Communication
FIT	First Intervention Team
EAT	External Affairs Team
Gosmorspassluzhba	State Marine Rescue Service
ORCC	Offshore Rescue Coordination Centre
ECT	Emergency Coordination Team
CMT	Crisis Management Team
F&L	fuels and lubricants
MD of MChS	Main Department of MChS for Sakhalin Oblast
FERHRI	Far Eastern Regional Hydrometeorological Research Institute
CSD	Corporate Security Department
SibRC for CD and ES	SIBERIAN REGIONAL CENTRE FOR CIVIL DEFENCE, EMERGENCIES AND THE ELIMINATION OF THE CONSEQUENCES OF NATURAL DISASTERS (Krasnoyarsk)
UDDS	Unified Duty Dispatching Service
DDS	Sakhalin Energy Duty Dispatching Service
ASV	Area of special value
IMO	International Maritime Organisation
INMARSAT	International Marine Satellite
EC	Emergency Coordinator
CLC	(Civil Liability Convention) International Convention on Civil Liability for Oil Pollution Damage, 1969/1972
WMC	Waste Management Coordinator
HSC	Health and Safety Coordinator
KPP	Security Gates
ECC	Command Centre
KChS&FS	Emergencies Fire Safety Committee
OSR	Oil Spill Response
MARPOL	Marine Pollution Convention, 1973/1978
CM	Crisis Manager
MNR of Russia	Ministry of Natural Resources of the Russian Federation
MSRCC	Maritime Search and Rescue Coordination Centre of the Ministry of Transport of Russia
IUCN	International Union for the Conservation of Nature
MSV	Multipurpose Support Vessel
MSRS	Administration of Sakhalin, Kurils and Kamchatka Seaports Maritime Search and Rescue Subcentre (Federal State Budgetary Institution)
Logistics	Procurement, logistics
MChS of Russia	Russian Federation's Ministry of Civil Defense, Emergencies and the Elimination of the Consequences of Natural Disasters
MEG	monoethylene glycol



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LIST OF ABBREVIATIONS

OIM	Offshore Installation Manager
OP	Onshore pipelines
LEL	Lower Explosive Limit
ART	Asset Response Team
OPF	Onshore Processing Facility
IAP	Incident Action Plan
OSRL	Oil Spill Response Limited (Southampton, UK)
OHS	Occupational Health and Safety
HSE	Health, Safety and Environment
OSRP	Oil Spill Response Plan
MERP	Medical Emergency Response Plan
FOC	Field Operations Centre
HSR	Health and Safety Representative
Rospotrebnadzor	Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing of the Russian Federation
Rosprirodnadzor	Federal Service of Natural Resource Management Supervision
Rosselkhozadzor	Federal Service for Veterinary and Phytosanitary Supervision
Rostekhnadzor	Federal Environmental, Industrial and Nuclear Supervision Service
RSChS	Integrated State System for Emergency Prevention and Response
SakhUGMS	Sakhalin Territorial Department for Hydrometeorology and Environmental Monitoring
PPE	Personal Protective Equipment
LNG	Liquefied Natural Gas
STR	Special Technical Regulations
WDBL / WM	Waste Disposal Bill of Lading / Waste Manifest
OET	Oil Export Terminal
ICS	Sakhalin Energy Emergency Response Management System, Incident Command System
UHF	Ultra High Frequencies: from 300 MHz to 3 GHz
kt	knot (nautical mile per hour)
VHF	Very High Frequency Waves: from 30 MHz to 300 GHz
CCR	Central Control Room (of a platform)
ES	Emergency Situation
OSE	Oil Spill Emergency
MOSH	Marine Operations Staff Headquarters
STASCO	SHELL Shipping & Maritime



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TERMS AND DEFINITIONS

Basic terms and their definitions are given in accordance with Clause 4 of the Rules for Development and Approval of Oil Spill Prevention and Response Plans in the Russian Federation (approved by Order of MChS of Russia No. 621 of 28 December 2004 (as amended by MChS Order No. 541 of 12 September 2012)).

Territorial sea waters of the Russian Federation means waters located inshore from the baselines, from which the width of the RF territorial sea is measured (Article 1 of Federal Law No. 155-FZ of 31 July 1998 On the Territorial Sea Waters, Territorial Sea and Adjacent Zone of the Russian Federation).

Water body means surface waters with underlying and adjacent land (the bottom and shores of the water body) (Article 7 of the Water Code of the Russian Federation).

The Unified State System for Prevention of and Response to Emergencies (RSChS) is a system that unites the management and control bodies, manpower and resources of federal executive bodies, executive bodies of the constituent entities of the Russian Federation, local governments and organisations whose powers include addressing issues related to the protection of the population and territories from emergency situations (Clause 2 of the Regulations on the Unified State System for Prevention of and Response to Emergencies, approved by RF Government Decree No. 794 of 30 December 2003).

Areas of special value means hazardous facilities, life support facilities, sites of cultural and historical value, specially protected natural territories, and natural resources particularly sensitive to oil spill impact.

Natural environment components means land and subsurface resources, surface and ground waters, atmospheric air, plant and animal life and other living organisms, ozone layer and near-Earth space environment, which combine to create favourable conditions for the existence of life on Earth (Article 1 of Federal Law No. 7-FZ On Environmental Protection of 10 January 2002).

Emergency Coordinator (EC) is the authorised representative of the facility owner, appointed in advance, who is able and obligated to supervise emergency response operations.

Emergencies and Fire Safety Committee (KChS&FS) is a permanent body coordinating measures aimed at the protection from, prevention of and response to emergency situations.

Oil spill cleanup means actions that ensure the restoration of an emergency facility and life support facilities to a working condition; restoration of the environment to a state that excludes adverse effects on the health of the population, fauna and flora.

Oil spill containment means actions aimed at preventing further spreading of oil and oil products on the ground and/or water surface.

Emergency response means emergency response, rescue and other urgent operations carried out in case of an emergency to save people's lives and health, to minimise material and environmental damage, and to contain and control emergency zones and associated hazards (Article 1 of Federal Law No. 68-FZ of 21 December 1994 On Protection of Population and Territories from Natural and Human-Induced Emergencies).

Oil means any persistent hydrocarbon mineral oil in any form, including crude oil, fuel oil, sludge, oil refuse and refined oil products (Convention on the Protection of the Marine Environment of the Baltic Sea Area (Helsinki, 22 March 1974),



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Natural resources particularly sensitive to oil spill impact are areas environmentally sensitive to the effects of oil spills, which will experience long-term significant negative consequences in the event of an oil spill; territories and water areas which are the habitat of rare and protected species of mammals and birds listed in the IUCN Red List of Threatened Species and the Red Books of the Russian Federation and Sakhalin Oblast; water protection zones; water bodies of the highest and first fishery value; forests of Protection Groups I and II and especially protective areas, sanitary protection zones of water supply sources; territories of traditional nature management; areas of fishing and hunting for sea animals; other areas as agreed with the relevant authorities of the territory.

Hazardous facilities are explosive, fire hazardous, chemically hazardous, radiation hazardous, and hydrodynamic hazardous facilities.

Life support facilities means water supply and sewage facilities, electricity, gas, heat, medical care, transport and communications systems, food supply facilities (farms and food processing facilities, fish farming, and agricultural land).

Specially protected natural territories means areas of land, water surface and air space above them with natural complexes and sites of special environmental, scientific, cultural, aesthetic, recreational and rehabilitation significance, which have been withdrawn in full or in part from economic use by decision of government authorities and for which a special protection regime has been established.

Environment means a combination of natural environment components, natural and natural / man-made resources, as well as industrial resources (Article 1 of Federal Law No. 7-FZ of 10 January 2002 On Environmental Protection).

Prevention of Emergencies means a set of measures taken in advance and aimed at reducing, to the maximum possible extent, the risk of emergencies, as well as preserving people's health, reducing the size of damage to the environment and material losses in case of their occurrence (Article 1 of Federal Law No. 68-FZ of 21 December 1994 On Protection of Population and Territories from Natural and Human-Induced Emergencies).

Nearshore zone means the territory adjacent to the inland sea waters and the territorial sea of the Russian Federation (Article 16 of the Water Code of the Russian Federation).

Natural Environment means a combination of natural environment components, natural and natural / man-made resources (Article 1 of Federal Law No. 7-FZ of 10 January 2002 On Environmental Protection).

Professional Emergency Response Teams (organisations) means independent teams or parts of emergency rescue service organisations, designated for carrying out emergency response operations, the basis of which are rescue units equipped with special machinery, equipment, gear, tools, and materials (Article 1, Clause 2 of Federal Law No. 151-FZ of 22 August 1995 On Emergency Response Services and the Status of Rescuers).

Oil spill means discharge of oil and oil products into a water body, onto land or into groundwater, regardless of the causes and circumstances that caused such a discharge.

Sakhalin Territorial Sub-System of the RSChS means a sub-system that combines the management and control bodies, manpower and resources of executive



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authorities, local government bodies and organisations of the Sakhalin Oblast. Oil spill response function of this Sub-system incorporates all professional emergency response teams irrespective of their form of ownership, both active and newly formed, that carry out onshore and offshore emergency response operations, hold respective licenses, and have been certified in accordance with the established procedure.

Agricultural land means land used for the reproduction of agricultural products or land suitable for this purpose.

Territories means all land, water, airspace within the territory of the Russian Federation or part thereof, industrial and social facilities, as well as the environment (Preamble of Federal Law No. 68-FZ of 21 December 1994 On Protection of Population and Territories from Natural and Human-Induced Emergencies).

Territory of the Russian Federation means the territories of the constituent entities, inland waters and the territorial sea of the Russian Federation, and the airspace above them (Article 67 of the Constitution of the Russian Federation).

Emergency situation (ES) means a situation in a certain area caused by an accident, a hazardous natural phenomenon, a disaster, a natural calamity or another disaster that may result or has resulted in fatalities, damage to the health of people or to the environment, significant material losses and disruption to the normal vital activities.

Marine Operations Staff Headquarters (MOSH) means the body coordinating the conduct of emergency response operations in the offshore area, which includes representatives of the command staff of oil companies, territorial governing bodies of the RSChS and Gosmorspassluzhba.