

The Role of RF Ministry of Transport in Oil Spill Response in Sakhalin

Report by Mr. Anatoly Yanchuk
for the PAJ Oil Spill Symposium, JAPAN,
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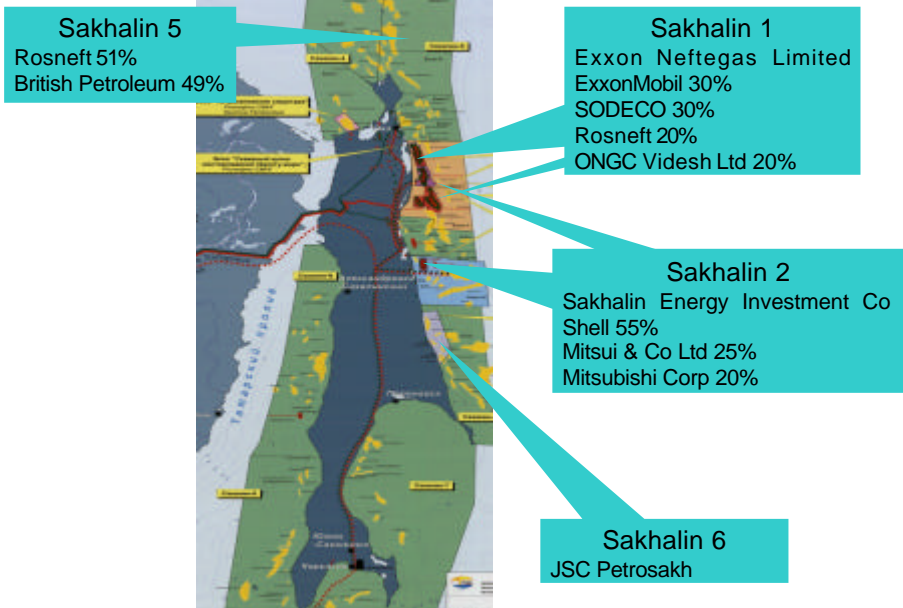
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- Sakhalin Island Projects
- Federal & Regional OSR System
- Coordination between companies and federal agencies.
- Sakhalin Region OSR System
- International Cooperation (NOWPAP, USCG, Sakhalin – Sapporo)



Sakhalin Island Projects

Sakhalin Island Projects





Federal and Regional OSR System



Federal and Regional OSR System

- Emergency Planning Based Upon *“Regional Approach”*
- Each Region has an Emergency Committee
- The Regional Emergency Committee has Responsibility for Oil Spill Response

Response Level Concept

- Federal & Regional Planning
Recognizes the use of a “*Tiered*”
“ Response Approach

Tier I – Local Significance, up to 500 tons of oil

Tier II – Regional Significance, 500 – 5000 tons of oil

Tier III – Federal Significance, over 5000 tons of oil

RF Federal Legislative Documents

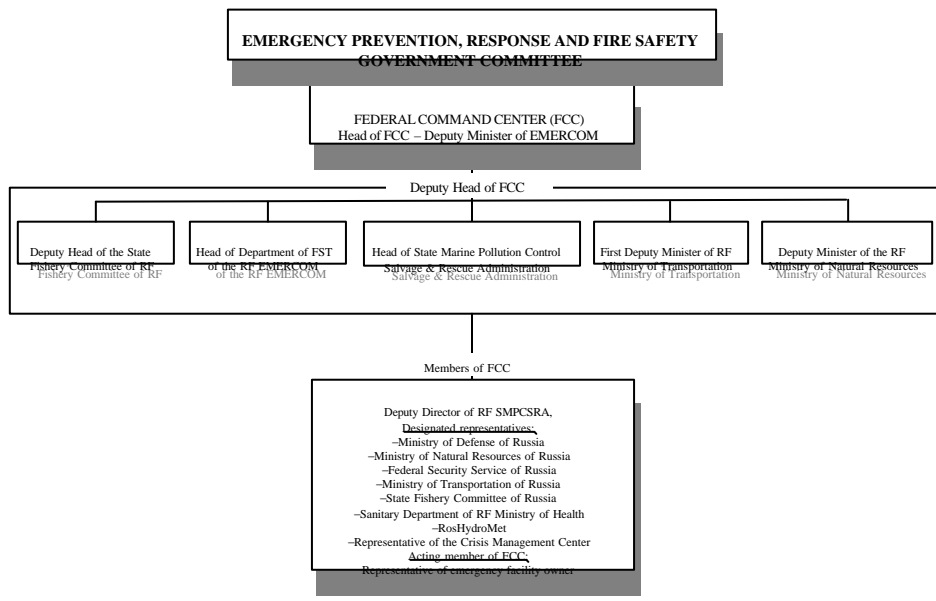
- RF Federal Law No 68-FZ dated December 21, 1994 “On Protection of Population and Territories from Natural and Production-Induced Emergencies”
- RF Federal Law No 7-FZ dated December 20, 2001 “On Environmental Protection”
- Resolution of the RF Government No 613 dated August 21, 2000 “On Immediate Actions on Oil Spill Prevention and Response”
- RF Government Resolution No 240 dated April 15, 2002 “On the Order of Oil Spill Prevention and Response Activities Organization on the Territory of the Russian Federation”
- RF Government Resolution No 794 dated December 30, 2003 “On the Unified State System of Emergencies Prevention and Response”

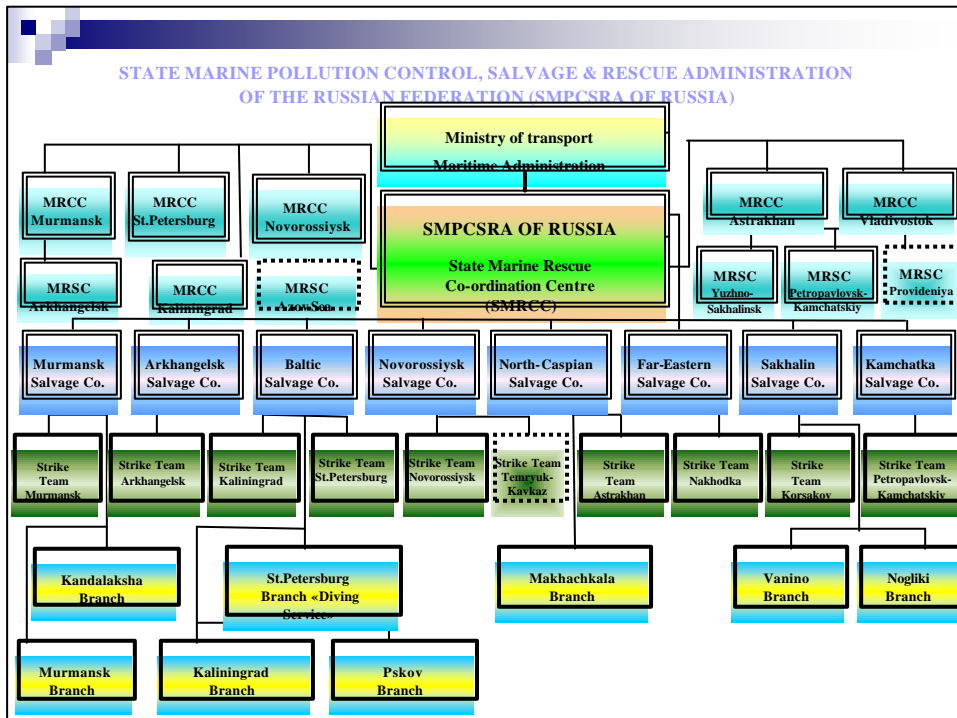
Federal & Regional OSR System Russian Federation OSR Plan



- Ocean “*Basin*” Approach
- Oil Spill Recovery a “*Key*” Responsibility
- Plan Formed in 2003
- Plan coordinates activities and responsibilities of all Federal Executive Agencies

Federal Emergency Command Center Organization







Sakhalin Regional OSR System



Sakhalin Region Legislative Documents

- Resolutions of the Sakhalin Region Governor No 482 dated 27.11.2000. The plan was performed in accordance with the temporary statute “On Organization of Oil Spill Prevention and Response at Water Bodies of Sakhalin Region” and “Systematic Recommendations on OSR Plans Development for Sakhalin region” attached to it.

**Russian Federation Ministry of Transportation
SMPCRA of Russian Federation**

Approved by:

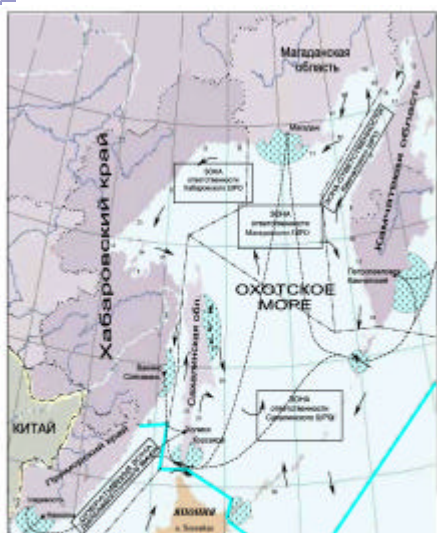
Governors of: Sakhalin, Magadan, Kamchatka, Khabarovsk, Head of SMPCRA ,
Head of Koryaksky autonomous region.

**REGIONAL PLAN
ON OIL SPILL PREVENTION AND RESPONSE
IN THE SEA OF OKHOTSK, BERING SEA, AND ON THE SAKHALIN
ISLAND**

The main cooperating parts of the Plan are:

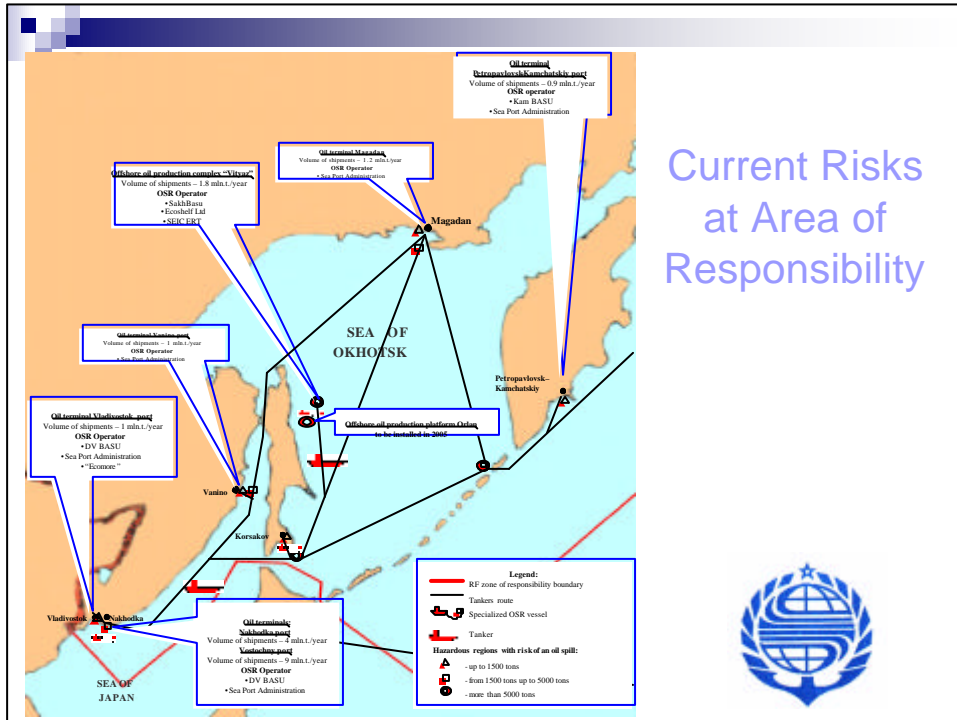
Regional Administrations, EMERCOM Departments, Specialized Marine inspections, Hydro
Meteorological Services, GosGorTekhnadzor, Port Authorities, Fishing Inspections.

In accordance with the RF Government Decree No.1038 dated 30.12.2000 Russian Federation Ministry of Transportation, State Marine Control, Salvage and Rescue Coordination Administration of Russian federation, which includes Basin Emergency Rescue Departments (BASU) are responsible for management and coordination of oil spill response operations (prevention, containment and recovery).



Area of
Responsibility of
Sakhalin Basin
Emergency
Rescue
Department







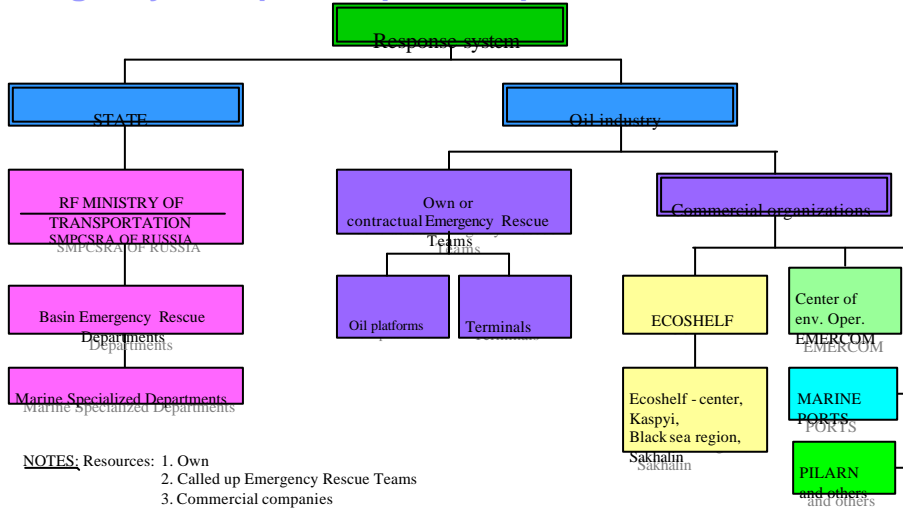
SakhBASU & DV BASU OSR Resources

Off-Shore - Open Ocean

- 3 Specialized OSRV's - Neftegas Class
 - Agat, Irbis & Kalar
- 4 Salvage Tugs
- Other Specialized vessels
 - Mizar – Fast Boom Layer
 - SPA-004 – Landing & Shimming Barge
 - Trias – Seismic & Skimming Vessel
 - "Igor Maximov" – Research and Boom Layer Vessel
- Extensive Open Ocean Equipment
 - 2 Transrec 250's – 250 tons/hour each
 - 5 Desmi 250's – 80 tons/hour each
 - 4 Walosep – 60 tons/hour each
 - Nofi Trawl PL-1000/35 & PL-800/35
 - Ocean Boom – 800 meters
 - 3 Ro-Sweep 2000
 - Ro-Boom (2x250 m)
 - 2 Framo Lightering Systems
 - 2 Foxtail Skimming Systems
- Non-Mechanical OSR Equipment
 - Helicopter Dispersant Spray System – Helicopter tested in 2003
 - Vessel Dispersant Spray Bar System

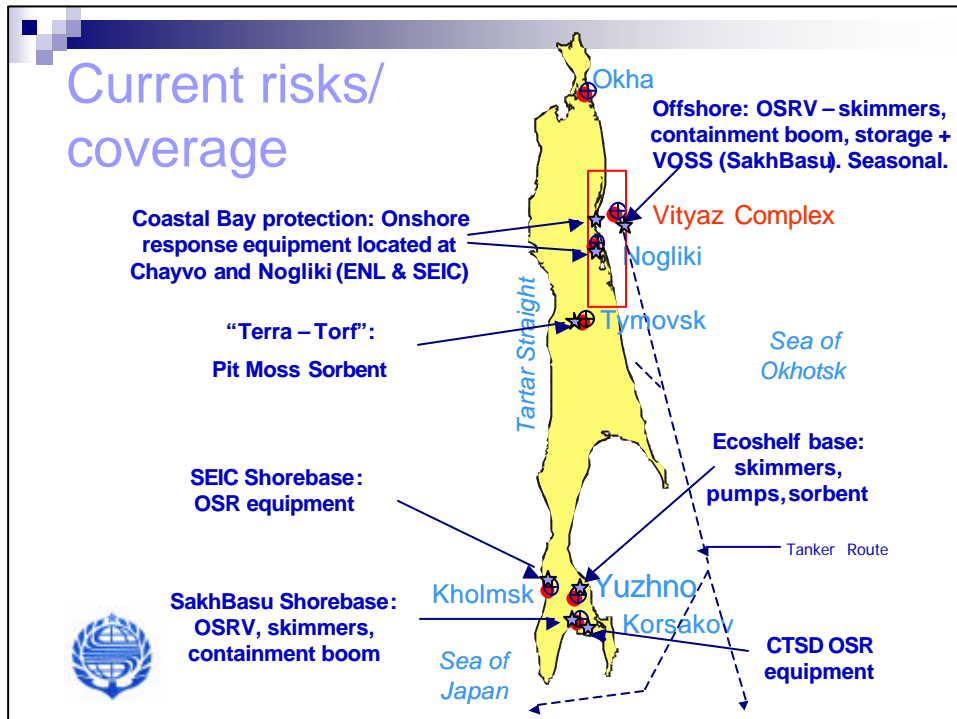
Coordination between commercial companies and Federal agencies.

System Emergency Oil Spill Response Operations at Sea in RF



- NOTES:** Resources: 1. Own
 2. Called up Emergency Rescue Teams
 3. Commercial companies
 4. Intergovernmental (bilateral and regional agreements)
 5. International resources of oil industry (Southampton, Singapore, etc)

Current risks/ coverage



Commercial OSR Resources

Nogliki Base

- 8 Specialized Fast Response work vessels
- Over 3600 meters of Specialized Containment Boom
- 10 Independent Skimming Systems
- Over 2500 meters of Oleophilic Adsorbent Boom
- Over 34 Portable Storage Tanks (7.5m³ each)
- 2 Flexible Floating Storage Tanks
- Ancillary Equipment: Anchor Systems, Line, Buoys, Shackles, Pumps, Hoses, Maintenance and Repair Tools, Spare Parts, Safety Gear, Lubricants, etc.
- Logistics Support: Trucks, Trailers, Helicopter Lift Harnesses, Fuel Tanks, Light Plants
- Communications Support – Fixed Base Station, Vessels, Portable, and Repeaters

Chayvo Bay Base (ERD Site)

- 4 New Small Portable Skimming Systems (2 Manta Ray & 2 Oleophilic Brush)
- 4 Portable Pump Systems and hoses
- 4 Towable Recovered Oil Storage Tanks
- 2 Airboats
- 2 OSR Work Skiffs
- 2 Vacuum Trucks
- > 650 meters of Containment Boom
- > 500 meters Adsorbent Boom
- PPE, Anchors, Line, Buoys, Communications
- Incinerators

Commercial OSR Resources

Open Ocean Equipment

- Ro Sweep 1500
- Ro Boom 1300
- Desmi 250 Terminator Skimming System

Nogliki Base – Non Mechanical OSR Equipment

- Corexit 9527 Dispersant – 12500 liters
- Helitorch for Ignition of Oil (Not Certified)
- Hand-held Igniters

Prigorodnoe LNG Construction Site Base

- 300 meters of Zipper Type Boom
- Minivac System
- 1 OSR Work Skiffs
- Sorbents (Sausage boom, sorbent pads, sorbent pillows)
- PPE, Anchors, Line, Buoys, Communications

Ecoshelf Yuzhno-Sakhalinsk Base

- 5 Vicoma Skimming Systems (2 Komara-20, 1 Komara-Mini, 2 Delta Recovery Systems)
- Minivac System
- Mini Fasflo System
- Portable Incinerator
- Sorbent material (Sausage boom, sorbent pads, sorbent pillows)
- Vacuum Truck
- 5 Portable Storage Tanks
- 1 OSR Work Skiff
- Lamor equipment (to be purchased in 2005)

Cristoforo Colombo spill

- September 8, 2004
- Command center was established including representatives of:
 - Region administration
 - Emercom
 - SakhBASU
 - SEIC
 - Vessel owner
 - Ecoshelf (OSR contractor)

Cristoforo Colombo spill



Cristoforo Colombo spill







International Cooperation



International Conventions

- On Protection of the Black Sea from Pollution – Bucharest Convention, 1992
- On Protection of the Baltic Sea Marine Environment, 1992
- On Provision of Readiness for Oil Spill Response and Cooperation, 1990
- On Prevention of Pollution from Ships, MARPOL 73/78
- On Establishment of International Fund for Compensation of Oil Contamination Damage, 1971, Protocol of 1984 and 1992 (FUND)
- On Civil Liability for Contamination, 1992(CLC)
- IMO Emergency Planning Guidelines, 1994
- Caspian Environmental Program



International Cooperation

- SMPCSRA – USCG / HELCOM / Norway
- NOWPAP
- Sakhalin - Hokkaido



SMPCSRA – USCG

- Agreement between the Government of the United States of America and the Government of the Union of Soviet Socialist Republics Concerning Cooperation in Combating Pollution in Bering and Chukchi Seas in Emergency Situations and associated to it Joint Contingency Plan

NOWPAP

- NOWPAP Regional Oil Spill Contingency Plan for the Northwest Pacific Region & Memorandum of Understanding on Regional Co-operation Regarding Preparedness and Response to Oil Spills in the Marine Environment of the Northwest Pacific Region
- NOWPAP members
 - Russian Federation
 - Japan
 - Republic of Korea
 - People's Republic of China

RF Ministry of Transport Drill August 2003



Expert meeting between Japan and RF on Oil Pollution Combating

