ООО "ПОГРУЗНЕНСКАЯ НЕФТЕБАЗА" **Адрес:** 446810, САМАРСКАЯ ОБЛ, КОШКИНСКИЙ Р-Н, ПОГРУЗНАЯ Ж/Д_СТ, ПЕРВОМАЙСКАЯ УЛ

COMPANY PROFILE

2012



POGRUZNENSKAYA NEFTEBAZA is situated in the industrial area in the South East of Tyumen, near samara settlement. The region is the home of the greater part of the Russian oil (72%) and natural gas (91%) reserves. However, being one of the largest oil-producing regions, the samakaskaya Region has to import some 1.2 million tons of light oils from other regions including Omsk Oil Refinery (550 km from Tyumen), Ufa Oil Refinery (800 km) and Permnefteorgsintez (600 km).



САМАРСКАЯ ОБЛ, КОШКИНСКИЙ Р-Н, ПОГРУЗНАЯ Ж/Д_СТ, ПЕРВОМАЙСКАЯ УЛ, 446810,РОССИЯ ФЕДЕРАЦИИ ИНН: 6374005686 ОГРН:1026303765883 EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru

TEL/FAX: +74959781610 www.pogruznenskayaoil.ru

POGRUZNENSKAYA NEFTEBAZA

SAMARA KOSHKINSKY P-H POGRUZNAYA F / A ST, AVE PERVOMAYSKAYA,446810, RUSSIAN FEDERATION. INN: 6374005686 OGRN:1026303765883

EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru

TEL/FAX: +74959781610 www.pogruznenskayaoil.ru

ABOUT THE COMPANY

POGRUZNENSKAYA NEFTEBAZA is situated in the industrial area in the South East of Tyumen, near samara settlement. The region is the home of the greater part of the Russian oil (72%) and natural gas (91%) reserves. However, being one of the largest oil-producing regions, the samakaskaya Region has to import some 1.2 million tons of light oils from other regions including Omsk Oil Refinery (550 km from Tyumen), Ufa Oil Refinery (800 km) and Permnefteorgsintez (600 km). That makes it logical to construct an own oil refinery within the region.

In light of the struggle with mini oil refineries producing improper fuel, construction of an advanced oil refinery comprising new technologies is an issue of high priority as it can help replenish the market with high-quality oil products. On November 4, 2006, phase I of POGRUZNENSKAYA NEFTEBAZA construction with the estimated capacity of 400 thousand tons of processed oil per year was approved for start-up by Tyumen authorities. As at the end of 2009 the actual capacity of phase I facilities reached the point of 800 thousand tons per year thanks to re-equipment and modernization.

On April 9, 2010, Tyumen authorities authorized commissioning of phase II facilities with the estimated capacity of 2,750 thousand tons per year. As the second phase facilities are under modernization, the capacity will increase by up to 3,300 thousand tons per year before the year end. Now that phase II facilities are launched, capacity of the oil refinery is 3,500 thousand tons per year and it is going to reach the point of up to 4,1 million tons per year by the end of 2010. No production plant of the similar capacity has been launched in the Russian Federation during the past 28 years. Specifications for connection of the oil refinery to main oil pipelines issued by Transneft JSC imply the total capacity of 6 million tons per year in view of the refinery development including the 3rd construction phase.

PRODUCTION

Oil processing units form the basis of POGRUZNENSKAYA NEFTEBAZA. The refinery comprises common facilities intended to produce oil, provide the processing units with energy sources, ensure quality control over processes, raw materials and finished products, and provide the refinery with water, heat and electric energy. The refinery is connected to main oil pipelines of Transneft JSC at the oil pumping station Tyumen-3 and has a crude oil delivery and acceptance point with a LACT unit and oil metering station No.1006. There are 2 both-way railway tank filling racks, 3 oil and oil-stock discharging racks, 2 road tanker filling racks, a unified network-integrated automated control system, high-speed external



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САМАРСКАЯ ОБЛ, КОШКИНСКИЙ Р-Н, ПОГРУЗНАЯ Ж/Д_СТ, ПЕРВОМАЙСКАЯ УЛ, 446810,РОССИЯ ФЕДЕРАЦИИ ИНН: 6374005686 ОГРН:1026303765883 EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru

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SAMARA KOSHKINSKY P-H POGRUZNAYA F / A ST, AVE PERVOMAYSKAYA,446810, RUSSIAN FEDERATION. INN: 6374005686 OGRN:1026303765883

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telecommunication and mailbox channels.

Due to the fact that construction of a refinery with the maximum possible oil processing depth producing the complete range of high-quality engine fuels requires significant capital investments, refineries are constructed in several phases. Each phase implies organization of a complete production cycle for oil to be processed and a selection of oil products of predetermined quality to be shipped to consumers. That is the development mode chosen by POGRUZNENSKAYA NEFTEBAZA.

Its workflow phases are as follows:

Workflow Phase I:

Installations: ELOU-AT-1, storage unit 52,000 m3. Processing depth: 55% - 57%. Original crude oil throughput: over 400 thousand tons per year. Crude oil throughput after re-equipment in 2008 was about 800 thousand tons per year.

Workflow Phase II (operated since May 2010):

Installations: ELOU-AT-2, gasoline stabilizer, storage unit 120,000 m3 (total capacity 172,000 m3). Processing depth: 55% - 57%. Crude oil throughput: 2.75 million tons per year in 2010. 3.3 million tons per year expected in 2011 (total refinery capacity is over 3.5 million tons per year, 4.1 million tons expected in 2011).

Workflow Phase III:

Workflow phase III is intended to increase capacity of the refinery in primary crude oil processing up to 4 million tons per year with the maximum processing depth and to enable production of Euro-5 oil products.

Phase III start-up is expected in 2012 - 2015.

The first stage of workflow phase III will be the start-up of ELOU-AT-3 unit with the capacity of 3 million tons per year which is going to increase the total refinery capacity up to 7 million tons per year. For diesel fuel quality to comply with Euro-5 standards and for the necessary freezing point to be ensured so that winter and polar diesel fuels can be produced, a diesel hydrotreating unit with a dewaxing module will be constructed which requires construction of hydrogen production units, gas amine treatment systems and sulphur production units as well. The project is to be implemented by 2013.



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TEL/FAX: +74959781610 www.pogruznenskayaoil.ru

POGRUZNENSKAYA NEFTEBAZA

SAMARA KOSHKINSKY P-H POGRUZNAYA F / A ST, AVE PERVOMAYSKAYA,446810, RUSSIAN FEDERATION. INN: 6374005686 OGRN:1026303765883

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At the second stage of workflow phase III the main targets are deeper oil processing, increase in the outcome of light oil products and higher quality of the total production range. The targets will be achieved by commissioning of fuel oil vacuum distillation units, deferred tar carbonization units, reforming units, isomerization units and gas fractionation units to enable proper selection of light oil products and up to 94% deeper oil processing. The reforming unit will provide for compliance of gasoline quality with Euro-5 standards (for the range of gasolines: A-95, A-98). Another hydrogen and sulphur production unit will be introduced to ensure regular operation of the refinery. The project is to be implemented by 2015.

PRODUCTS WE PRODUCE AND EXPORTS

Now that Phase II is implemented the product range includes:

1. Diesel fuel brands as follows:

- summer diesel: L-0.2 62 (GOST);
- summer diesel: 0.1 (EURO);
- winter diesel;
- polar diesel
- 2. Low-sulphur fuel oil (up to 1%) M40
- 3. Process fuel for export PFE

4. Stable natural gasoline - SNG

After Liquefied Hydrocarbon Gases Storage Depot is established and ELOU-AT-2 is reequipped (by the end of 2010) 3 more products will be offered for sale:

1. CLPG (GOST)

2. Commercial butane - CB

3. Nefras (petroleum solvent)

After Phase III is implemented the product range will include:

1. Gasoline: - A-92;





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SAMARA KOSHKINSKY P-H POGRUZNAYA F / A ST, AVE PERVOMAYSKAYA,446810, RUSSIAN FEDERATION. INN: 6374005686 OGRN:1026303765883

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- A-95 (Euro-5);
- A-98 (Euro-5);

2. Nefras (petroleum solvent)

3. Liquefied gases:

- Commercial butane (CB);
- LPG

4. Diesel fuel:

- D-Euro-5 (10 ppm);
- summer diesel;
- winter diesel;
- polar diesel

5. Bunker fuel oil M-40 (total 1-2% of the overall volume)

- 6. Gas oil (export)
- 7. Petroleum coke
- 8. Block sulfur/sulfur pellets

ENVIROMENT

Environmental issues are vital for the whole planet. Protection of wildlife and environment were high priority issues in construction of POGRUZNENSKAYA NEFTEBAZA. The ecology department of the Refinery's accredited chemical analysis laboratory keeps regular monitoring of the environment, surface water and waste water condition. To reduce pressure on the environment a number of process solutions were developed as the Refinery was designed so as to minimize water consumption and, consequently, waste water discharge and pollutant emissions to the atmosphere as well as to avoid penetration of oil and oil products to soil and ground waters.

The solutions are as follows:

- equip process furnaces with burner units which comply with the most stringent environmental requirements;



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POGRUZNENSKAYA NEFTEBAZA AMERAKOSHINSKY P.H POGRUZNAYA F / A ST, AMERAKOSHINSKY P.H POGRUZNAYA F / A ST, RUSSIAN FEDERATION. INN: 6374005686 OGRN:10256303765883 EMAIL: info@pogruznenskayaoil.ru ales@pogruznenskayaoil.ru TEL/FAX: +74959781610 www.pogruznenskayaoil.ru



САМАРСКАЯ ОБЛ, КОШКИНСКИЙ Р-Н, ПОГРУЗНАЯ Ж/Д_СТ, ПЕРВОМАЙСКАЯ УЛ, 446810,РОССИЯ ФЕДЕРАЦИИ ИНН: 6374005686 OГPH:1026303765883 EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru

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- use a sealed system throughout the process flow;

- control, automate and telemeter processes to prevent accidents as well as minimize pollutant emissions to the atmosphere by strict adherence to the preset process parameters;

- provide for pressure tight filling of reservoirs with light oil products via gas equalizing lines with gas removal;

- use air-cooling systems for process flows;

- implement a water drainage system so as to avoid waste water discharge to surface waters;

- construct concrete platforms for processing equipment and oil loading racks, with guard rails and ladders.

Implementation of these solutions minimizes any eventual environmental damage.

MANAGEMENT

Vasily Borya Chairman of the Board

Alla Aleksei Vice Chairman of the Board Chairman the legal committee

> Mikhail.Y.Lermontov Member of the Board General Director

Lisovichenko G. Member of the Board General Director

Berechansky M. Member of the Board Chairman of the Committee on Business Affairs

CONTACT INFORMATION:

Contact person:



OOO "ΠΟΓΡΥ3ΗΕΗCKAЯ ΗΕΦΤΕБΑ3Α CAMAPCKAR OBIL KOULKUHOKUN P.H. NOEBYTAKOVILCT, ΠΕΡΒΟΜΑΝΟΚΑΆ ΥΛ. OF THE CONTRACT (ΠΕΡΒΟΜΑΝΟΚΑΆ ΥΛ. OF THE 1025303765683 EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru TEL/FAX: + 74595781610 www.pogruznenskayaoil.ru

POGRUZNENSKAY A NEFTEBAZA SAMARA KOSHNINSKY P.H POGRUZNAYA F / A ST, AVE PERVOMAYSKAYA, 46810, RUSSIAN FEDERATION. INN: 8374005886 OGRN: 1026303765883 EMAIL: Info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru TEL/FAX: +74959781810 www.ogruznenskayaoil.ru



САМАРСКАЯ ОБЛ, КОШКИНСКИЙ Р-Н, ПОГРУЗНАЯ Ж/Д_СТ, ПЕРВОМАЙСКАЯ УЛ, 446810,РОССИЯ ФЕДЕРАЦИИ ИНН: 6374005686 ОГРН:1026303765883 EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru

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POGRUZNENSKAYA NEFTEBAZA

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EMAIL: info@pogruznenskayaoil.ru sales@pogruznenskayaoil.ru

TEL/FAX: +74959781610 www.pogruznenskayaoil.ru

Deputy General Director for Commerce POGRUZNENSKAYA NEFTEBAZA OOO — Mazurov Dmitri Phone: +7 (495)781610 Fax: +7 (495)781610 E-mail: <u>info@pogruznenskayaoil.ru</u> VasilyBorya@pogruznenskayaoil.ru Marketing Director of POGRUZNENSKAYA NEFTEBAZA OOO — Popov.B.I Phone: +7 (495)781610

Phone: +7 (495)781610 Fax: +7 (495)781610 E-mail: <u>info@pogruznenskayaoil.ru</u> AllaAleksei @pogruznenskayaoil.ru

Sales Director of POGRUZNENSKAYA NEFTEBAZA OOO — churovskiy .A. Yurevich and Natalia Demyan Phone: +7 (495)781610 Fax: +7 (495)781610 E-mail: sales@pogruznenskayaoil.ru

ООО "ПОГРУЗНЕНСКАЯ НЕФТЕБАЗА" ИНН: 6374005686 ОГРН: 1026303765883 Адрес: 446810, САМАРСКАЯ ОБЛ, КОШКИНСКИЙ Р-Н, ПОГРУЗНАЯ Ж/Д_СТ, ПЕРВОМАЙСКАЯ УЛ

