

Program "Organization of the public monitoring system and improving drinking water quality in the settlements along Amur river in Khabarovsk Krai (Amur Initiative)"

The goal of this Program is to organize operative monitoring and to improve the quality of potable water in small settlements located on the banks of Amur River. The waters of this river are being disastrously polluted by China. The following practical measures have been planned:

- Organize effective operative Amur River water quality monitoring in partnership with Khabarovsk Krai Government and the Institute of Water and Environmental Studies and involve local communities in these activities;
- Diversify potable water supply sources at Amur riverside settlements.

This Program, funded by USAID and Khabarovsk Krai government agencies, is carried out by FSD in partnership with Green House, a public charity organization in Khabarovsk Krai; Khabarovsk Krai Ministry of Economic Development; the Environmental Protection Department of Khabarovsk Krai Ministry of Natural Resources; Khabarovsk Krai Environmental Monitoring Center; Municipal Self-Governance Relations Department; and regional NGOs.

As a result of this Program, an operative Amur water quality monitoring system will be put in place; effective collaboration will be established among local government, self-government, research facilities, and NGOs in such activities as water preparation and water supply in settlements along Amur River; and at least 4 such settlements (with a total of 4,000 residents) will be provided with access to stable sources of good-quality and safe potable water - this will serve as a model for replicating similar projects in nearby settlements at the cost of local sources of funding.



Water quality in the Ussuri resort water supply station is controlled at the daily basis.



New water desinfection system will be installed in the second water rise station in Osinavaya Rechka village near Khabarovsk.



In the vicinity of Sikachi-Alan Nanai minority village Amur river waters bear wastes of tens of millions of Chinese and hundreds of enterprises located in China



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Targeted Program "Amur Initiative"

Project "Organizing additional water supply for social facilities in Sikachi Alan Settlement"

Organization

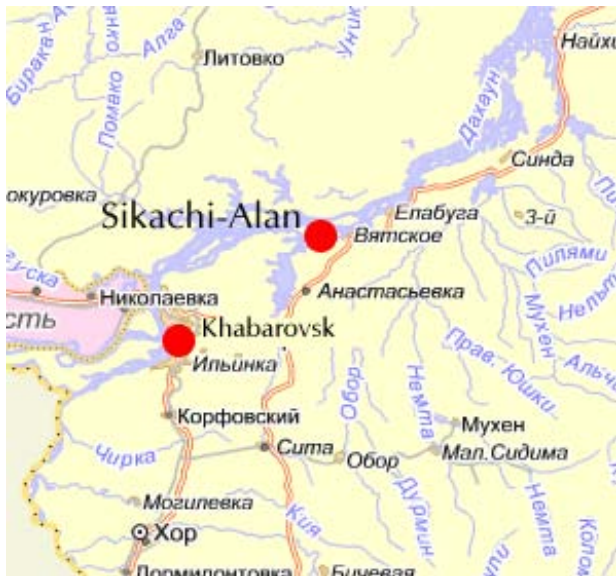
Municipal institution "Directorate of the education complex of Sikachi-Alan settlement"

Type of organization

Municipal

Start date: June 1, 2007

End date: March 31, 2008



Municipality Profile

The Sikachi-Alan indigenous Nanaj settlement located in Khabarovskiy raion has a population of 334 people. Its residents work either at state-financed organizations or in the sphere of local crafts. The world-famous UNESCO Cultural Heritage site "Petroglyphs" is located in the vicinity of the settlement. The administration of the municipality lacks sufficient means to implement a full-scale social and economic development program and to solve the problem of supplying water to the recently built social and cultural multi-purpose complex. Almost half of the water consumed by the settlement is delivered to it in water barrels from a neighboring village located at a distance of 9 km.

Project summary

Providing the settlement with a water well that will serve as a source of clean drinking water for social institutions and the residents of the settlement.

This project will drill an 80-m deep water well and install a pump and water feeding equipment.

Location

Sikachi-Alan, Khabarovskiy raiion

Contact information

1a Oktyabrskaya St., Sikachi-Alan, Khabarovskiy raion, Khabarovskiy Krai 680526

Project coordinator – Dmitry Pomytkin, tel.: (4212) 34-70-19, fax: 32-64-47, e-mail: pda@vostok.elektra.ru

Anticipated results:

- The inhabitants of the settlement and especially its 50 children will get access to safe drinking water
- The kitchens of the local school and kindergarten will comply with standard water supply requirements
- At least 30,000 rubles will be saved on water delivery to the settlement
- Tourists visiting the local archeological monuments will be provided with sufficient water resources.

Project amount \$49 060 Grantee contribution \$24 060 Grant amount \$25 000



Targeted Program "Amur Initiative"

Project "Organizing alternative water supply source in Kalma settlement, Ulchsky raion"

Organization

National minority community Dekal Ltd.

Type of organization

Commercial

Start date: June 1, 2007.

End date: November 30, 2007.



Municipality Profile

Kalma settlement, which is located in Ulchsky raion not far from where the Amur River flows into the Pacific Ocean, has a population of 137 people, of which 119 are representatives of Arctic indigenous peoples.

Project summary

Project activities will include drilling a water well that will allow to stop drawing water from the Amur River. The drilling process will be based on the results of geological water exploration carried out in 1994. The project will use its own means to drill another eight wells in settlements located nearby with the use of the same set of equipment – this will allow to reduce the cost of transporting a drilling unit to this remote region by almost ten times in terms of per one well meter.

Location

Ulchsky raion, Khabarovsk Krai

Contact information

18 Shkolnaya St., Susanino settlement, Ulchsky raion, Khabarovsk Krai 682419

Project coordinator – Yuri Dekal, tel./fax: (42151) 5-82-73, e-mail: ro.dekal@bgr.kht.ru

Anticipated results:

- The residents of Kalma settlement will gain access to safe drinking water
- The presence of a water well will allow to commission a kindergarten and elementary school in this indigenous settlement
- The disease and mortality rates will decrease among the indigenous peoples who live in the settlement

Project amount \$51 052 Grantee contribution \$ 26 193 Grant amount \$24 859



Targeted Program "Amur Initiative"

Project "High quality water for each rural citizen"

Organization

Administration of Osinovaya Rechka rural settlement, Khabarovskiy raion, Khabarovsk Krai

Type of organization

Municipal

Start date: June 1, 2007

End date: October 31, 2007



Municipality Profile

Osinovaya Rechka settlement, which is located on the right bank of the Amur River in Khabarovskiy raion, has a population of 1,950 people. This quite densely populated municipality is adjacent to the city of Khabarovsk. Apart from the permanent population, many residents of Khabarovsk come here to their country houses. The greatest problems of this municipality are the exorbitant payments for communal services (up to 8,000 rubles) and poor bacterial water treatment (in summer the concentration of microorganisms exceeds the standard levels by 3-5 times).

Project summary

This project will install modern UV disinfection equipment (two UDV 30/5 units) at the second water lifting and treatment station instead of the old equipment that does not provide adequate water treatment due to the expiration of its service life from the moment of its installation in 1984 and the general change of water consumption during past years.

Location

Osinovaya Rechka settlement, Khabarovskiy raion, Khabarovsk Krai

Contact information

1 40 let Pobedy St., Osinovaya Rechka, Khabarovskiy raion, Khabarovsk Krai 680572

Project coordinator – Vladimir Masukov, tel.: (4212) 49-48-53, fax: 49-48-95

Anticipated results:

- As a result of this project, the inhabitants of the settlement, local social institutions, including the school, the outpatient medical center, kindergarten, and other consumers will be provided with 193,000 m³ of clean and safe drinking water a year.
- The content of microorganisms in drinking water will drop by 99, 99% as compared with the initial level.
- Project results will be covered in the local and regional mass media

Project amount \$35 000 Grantee contribution \$10 000 Grant amount \$25 000



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Targeted Program "Amur Initiative"

Project "Introduction of UV drinking water sterilization system"

Organization

Ussuri Resort OJSC

Type of organization

Government

Start date: June 1, 2007

End date: March 1, 2008



Municipality Profile

Bychikha and Kazakevichevo settlements, which are located not far from Khabarovsk, are the site of many health camps and health rehabilitation centers. The total number of citizens residing in this area, including guests who come for treatment or vacation, reaches 13,000. Practically all residents of adjacent settlements are employed at the medical and health facilities. Only one water supply station that belongs to Ussuri Resort supplies this mass of people with water.

Project summary

This project will increase the efficiency of the existing water treatment system by installing UV water sterilization units at the water treatment facilities of USSURI Resort. Sterilization is one of the components of the process of water preparation. UV sterilization eliminates all types of microorganisms, including viruses. Unlike chlorination or ozone water treatment that are currently used at the water supply station, this method does not generate hazardous substances.

Local inhabitants and especially children and youth from Bychikha settlement will participate in the communications component of the project.

Location

Bychikha and Kazakevichevo settlements, Khabarovsk raion, Khabarovsk Krai

Contact information

5 Sanatornaya St., Bychikha settlement, Khabarovsk raion, Khabarovsk Krai 680502

Project coordinator – Rinat Rakhmatullin, tel.: (4212) 25-71-31, fax: 97-44-49, e-mail:

Sanatorium@ussuri.kht.ru



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Targeted Program "Amur Initiative"

Anticipated results:

- Access to a source of good-quality and safe drinking water will be provided to over 3, 900 residents of Bychikha and Kazakevichevo settlements; over 3,000 children staying in summer health camps; over 6,000 guests of Ussuri and Druzhba health rehabilitation centers; and tourists and vacationers from the city.
- UV treatment will not change the water's organoleptic properties; will not cause the appearance of toxic accessory substances; and will allow to reduce the content of chlorine in the water by 2-5 times.
- The UV water sterilization equipment installed by the project will have a social effect, namely, it will exclude harmful factors affecting human health, since during chlorination chlororganic compounds are formed which are qualified as strong toxicants and mutagens (carcinogenic agents).
- Reduction of the number of infectious diseases disseminated through the most massive source – water.
- One additional job will be created for servicing the UV water sterilization units and, at the same time, expenses connected with transporting and storing hazardous substances (chlorine) will be lowered.
- Effective interaction will be established among local self-government, NGOs, companies and organizations in addressing the problems facing the local community.

Project amount \$36 000 Grantee contribution \$11 000 Grant amount \$25 000



Targeted Program "Amur Initiative"

Project "Organization of the instant monitoring system of Amur river water"

Organization

Regional State department for civil defence, emergency situations and fire prevention of Khabarovsk Krai

Type of organization

Government

Start date: July 1, 2007

End date: April 1, 2008



Municipality Profile

This project is implemented by an organization located in Khabarovsk in eight municipal districts and in the cities of Khabarovsk, Komsomolsk-on-Amur and Amursk adjacent to the Amur River with a total population of up to 1 million. A multitude of industrial and agricultural enterprises located along the Amur River also use the water of this river.

Project summary

In addition to already purchased analytical facilities, this project will provide the grantee with modern equipment for organizing the work of a water monitoring center; organize the process of taking samples of Amur water at the section from Nizhneleninskoye to Bogordskoye settlements and analyzing them; analyze obtained data; inform the broad public through publications in the journal "Communities and Alliances in Municipalities"; and carry out public hearings devoted to the issue of the quality of water in the Amur River and the search for alternative water supply sources.

Location

Khabarovsk, Khabarovskiy raion, Nanaiskiy raion, Amurskiy, Maurskiy raion, Solnechny raion, Komsomolsk-on-Amur, Komsomolskiy raion, Ulchskiy raion, Polina Ocipenko raion, and Nikolayevskiy raion in Khabarovsk Krai.

Contact information

146 Volochauvskaya St., Khabarovsk 680610

Project coordinator – Alexander Markevich, tel.: (4212) 30-59-99, fax: 30-52-65, e-mail: postmaster@gochs.kht.ru

Anticipated results:

- Creating an objective picture of the Amur River pollution and improving the quality and efficiency of environmental monitoring to ensure a more adequate and quick response to emerging threats.
- Providing objective information to regional government agencies and the public – this will help develop practical projects aimed at improving the quality of drinking water in settlements located along the Amur River.
- Identifying a mechanism of effective interaction between government bodies and public environmental organizations working together in the interests of citizens.

Project amount \$75 299 Grantee contribution \$25 299 Grant amount \$50 000