

Environment and Public Health in Nevinnomyssk and Other Regions of EuroChem Company Presence

The Environment and Public Health in Nevinnomyssk and Other Regions of EuroChem Company Presence Program is part of a general Program funded by EuroChem Company and the United States Agency for International Development (USAID) and aimed at improving the social situation in the city: promoting healthy life styles, improving the quality of medical services, involving local communities in conservation activities and a rational use of natural resources, and increasing the level of local farming techniques.

The Program was launched in December 2006 in Stavropol Krai in the city of Nevinnomyssk, where Nevinnomyssky Azot, one of EuroChem's plants, is located. A series of practical projects initiated by the community will be carried out in the city to help address local social and environmental concerns.

Nevinnomyssk (Stavropol Krai)



Nevinnomyssk is a large industrial center in Stavropol Krai with a population of 130,000, of which nearly 27,000 are children and adolescents. The city occupies an area of 70 km² and is situated 50 km from the city of Stavropol at the confluence of rivers Kuban and Bolshoi Zelenchuk and 341 m above sea level in the southwestern part of Stavropolskaya Uplands with its characteristic climatic factors. The terrain around Nevinnomyssk is a plain belt with ravines and small flat-bottom valleys. The Kuban River divides the city into the western and eastern parts. The northwestern part is the site of large industrial facilities, such as Nevinnomyssky Azot, Arnest Factory (producing household chemical products), and Nivinnomysskaya State District Power Plant.

Under the Program, Russian organizations will receive donations for specific activities on a competitive basis. The investment in the Program includes 16, 335, 000 rubles from EuroChem and 3, 750, 000 rubles from USAID.

EuroChem Program is an example of social investment targeted toward turning a community into an active social partner aware of regional problems and capable of resolving them with the use of modern social technologies.

The Fund for Sustainable Development as an organization administering the Program has introduced the so-called FSD Resource Model to strengthen social partnership. This model involves various contest procedures: from the provision of funding to individual projects during the first phase to forming consortiums of partners with pools of projects during the second phase and to founding a local community fund during the final third phase. Such an approach ensures the sustainability of social partnerships and allows to further replicate citizen initiatives through non-budget financing.

This model not only helps to seek solutions to separate city issues, but also encourages community members to take a more active part in the city's development programs, self-governance, and partnership activities.

The Working Group of the Program that consists of representatives of local government, donors, and FSD formulated the following priority areas for project funding:

- Child health and the environment (preservation and rehabilitation of child health by improving the environment in children's social institutions, including the improvement of the quality of air and drinking water);
- Utilization of energy and resource saving techniques at social institutions (schools, kindergartens, orphanages, hospitals, etc.);
- Environmental pollution prevention through improving industrial and household waste processing, including sewage and return water treatment;
- Urban ecology and local self-government: planting trees and shrubbery, and improving city areas with the participation of local small-sized business; NGOs and the local community;

Project Organizers



Established in 2001, **EuroChem Mineral and Chemical**

Company is the major agrochemical company in Russia and

one of the top ten global fertilizer producers. EuroChem

consists of enterprises extracting raw materials and producing

mineral fertilizers, organics and feed phosphates; transport divisions; and a broad marketing network in Russia and abroad. EuroChem product mix exceeds 100 items. The company's products are certified and comply with international quality standards. The main markets are Western and Eastern Europe and USA, with large consumers in Asia and Latin America. Special attention is given to expansion on the domestic market, which is viewed as a high priority with a good potential.

A long-term investment program is being carried out at the company's enterprises to upgrade the existing capacity and develop new production facilities, introduce advanced processes, and enlarge the range of manufactured products. Environmental safety is the company's special focus, with large investment made in ecological projects. Effective social policy is an important driver of EuroChem success, along with responsible partner relations with employees, the State, and the community. Maximal industrial safety and concern about the well-being of employees, along with social assistance to the towns and regions where the company's enterprises are based, are the key components of EuroChem social policy.



The United States Agency for International Development

(USAID) is an agency of the U.S. Government whose mission is to implement the U.S. Government's economic and humanitarian assistance programs in over 100 countries. As part of the U.S.

Embassy in Moscow, USAID/Russia works with the Russian people to create a society where citizens take an active part in a democratic society and provide an ample opportunity to improve their well being and standard of living in a market economy.



FUND for SUSTAINABLE DEVELOPMENT

Fund Sustainable Development (FSD) is an independent, nongovernmental, non-profit Russian fund founded to carry out programs aimed at addressing environmental issues and supporting socially responsible development across the Russian Federation. The mission of FSD is to enhance public-private cooperation in fulfilling targeted projects that emphasize sustainable regional and community development. FSD manages programs that promote regional and community sustainable development.

Statistics

Total number of submitted applications	10
Number of applications approved for funding by the Working Group of the Coordinating Council	5
Cost of funded projects	3 218 151 rub.
Donations	2 556 513 rub.
Grantee contributions (+other sources)	661 638 rub.
Average donation per one project	511 302 rub.

Projects of the First Contest

- **Children's Dreams (476 514 rub.)**
- **Resource Saving as an Essential Condition of Building an Effective Public Health Model (520 000 rub.)**
- **Key to Health (520 000 rub.)**
- **Path to the Health of the Lyceum's Students and Staff and the Members of Golovnoye Community (520 000 rub.)**
- **Winter Garden: a Landscaping Consultation Center for Local Educational Institutions (520 000 rub.)**

Project Children's Dreams

Organization

Gymnasium # 10, a municipal general education institution for children and adolescents with high intellectual capabilities, Nevinnomyssk, Stavropol Krai

Start date: March 1, 2007

End date: October 31, 2007

Profile of organization

The staff of Gymnasium # 10 possesses extensive experience in innovation activities aimed at creating favorable conditions in the educational environment that promote self-development among the students and improve their intellectual, communication and physical skills. This educational institution is highly rated both in the city of Nevinnomyssk and in Stavropol Krai. Each year, over 800 teachers from the region come to Talent of the Year Festival sponsored by the gymnasium to learn about its new achievements.

Project summary

Setting up a children's sports/entertaining and educational/health complex for pre-schoolers and students of elementary, middle and high schools of the city.

Project plans include paving a volleyball court and installing a system that allows to attach the net on different heights for children of different ages and also to use the court for playing badminton. Such a court, together with the existing soccer field and basketball court, will form a sports complex where school and city sports tournaments will be held in all main sports games. In addition to the outdoor sports game complex and the volleyball court, the project will also install benches for parents and will change the lighting system around the gymnasium.

Contact information

16a Mendeleeva St., Nevinnomyssk, Stavropol Krai 357108

Project coordinator

Anton Kartamyshev, tel.: (86554) 70-2-26 ; fax : (86554) 70-3-26; e-mail: anton@akc-service.ru
xanton@list.ru

Anticipated results

As a result of this project, a children's sports/entertaining and educational/health complex will be established: a volleyball court with an asphalt covering; a children's open-air entertainment complex (type UP-028A, installed by the company "From A to Z"); and benches for parents. The complex and the adjacent area will be provided with lighting.

Social effect

Short-term effect:

- Creation of a sports site for community and school athletic tournaments.
- Providing good conditions for the children's physical development, communication and recreation activities.
- Lowering the crime rate around the gymnasium by organizing activities for students attending after-school groups; setting up a "student room"; and organizing a summer sports camp.

Long-term effect:

- Creation of a permanent center for sports and entertainment activities for the city's youth.
- Increased number of children involved in the sports life of the city.
- Instilling in the children a feeling of pride for their city.

Donation 476 514 rub. Grantee contribution 85 588 rub. Total project amount 562 102 rub.

Project Resource Saving as an Essential Condition of Building an Effective Public Health Model

Organization

City Hospital, a municipal public health institution

Start date: March 1, 2007

End date: December 31, 2007

Profile of organization

The City Hospital is an important social institution of Nevinnomyssk whose key objectives include health improvement of the city's residents; provision of specialized medical and disease prevention services; hospital treatment in various areas; out-patient treatment; treatment of infective diseases; dietology; general clinical and biochemical laboratory diagnosis; diagnostic ultrasound, etc. To successfully work in these areas, the City Hospital carries out resource-saving activities on a permanent basis.

Project summary

This project will reduce expenses for water and energy consumption at the City Hospital by replacing the existing electrical cooking boilers with gas cooking boilers and modernizing the cooling system of the refrigerating unit (by replacing the water-cooled condenser with an air condenser) at the hospital's kitchen. The project is in line with Nevinnomyssk Development Strategy and the Health Priority National Project, since it is aimed at an active implementation of techniques promoting public health improvement. The saved funds will be used for purchasing medical equipment and, thus, for improving the quality of medical services. This, in turn, will lead to a decrease of disease instances and will reduce the time patients spend at the hospital.

Contact information

5 Pavlova St., Nevinnomyssk, Stavropol Krai 357112

Project coordinator

Vladimir Lapin, tel.: (86554) 2-03-82; fax: (86554) 7-38-99 ; e-mail: gbnevplan@mail.ru

Anticipated results

Starting from 2008, a total of 706,606 rubles intended for the upkeep of the hospital will be saved. As of the moment of project implementation, 273,149 rubles will be saved on energy resources. The modernization of the refrigerating unit in the hospital's kitchen will allow stopping the use of flowing water and, thus, will save 291,252 rubles. Cost savings after the gas cooking boilers are installed will amount to 415,354 rubles.

Social effect

The project will help improve the physical condition and, what is as important, the moral well-being of almost 10,000 residents of Nevinnomyssk who annually use the services of the City Hospital. Plans include increasing the assortment of dishes prepared in the hospital's kitchen thanks to an optimization of storage conditions and the increased variety of products kept in the refrigeration unit; reducing the time of food preparation; and improving the quality of prepared dishes after the gas cooking boilers will operate in a greater number of cooking modes.

Donation 520 000 rub. Grantee contribution 2 000 rub. Total project amount 522 000 rub.

Project Key to Health

Organization

City Children's Hospital, a municipal public health institution

Start date: March 1, 2007

End date: February 28, 2008

Profile of organization

The City Children's Hospital provides qualified and specialized medical and disease prevention services to the children of Nevinnomyssk. It consists of an in-patient department with 140 beds and a children's outpatient clinic intended for 480 visits a shift.

Project summary

This project will acquire: 63 items of equipment for water treatment and air cleaning to carry out health rehabilitation programs; exercise devices for the Childhood House and the children's outpatient clinic; and apparatuses for preparing oxygen shakes. A phyto bar will be opened and 100 trees and shrubs will be acquired and planted around the Childhood House.

In the course of the project, conditions will be created for child health protection and rehabilitation through improving the environmental situation at the Childhood House, a children's social institution, by using purified water and creating an indoor microclimate close to natural.

Project activities will also include child health monitoring.

Contact information

84 Trudovaya St., Nevinnomyssk, Stavropol Krai, Region 26, 357100

Project coordinator

Irina Furmanova, tel.: (86554) 3 68 39; fax: (86554) 3 05 18; e-mail: detstvo@ntv.stv.ru

Anticipated results

As a result of the integrated rehabilitation program, illness frequency will drop 1.3 times; the physical condition of the observed group will improve by 20%; and the functional score will improve by 1.3 times. The material basis created as a result of the project will allow to improve the health of children in the course of many years. The local media will cover all project information; and a television piece on the impact of natural factors on a child's system will be prepared and aired. Plans include a presentation of the city's public health service at a city and international conferences.

Short-term effect:

Hardening the children will increase body resistance during the period when the physical factor will be applied. Mechanotherapy will strengthen the muscle tone of growing systems. Aromatherapy will increase performance ability and body defenses. The integrated use of all these therapies will improve the immune systems, foster physical development, increase activity and improve the health of the observed group of children.

Long-term effect:

The created facilities will help improve the health of all the city's children many years ahead and will have a general positive effect on the health of the young residents.

Donation 520 000 rub. Grantee contribution 428 906 rub. Total project amount 948 906 rub.

Project Path to the Health of the Lyceum's Students and Staff and the Members of Golovnoye Community

Organization

Lyceum # 11, occupational training in agriculture

Start date: March 1, 2007

End date: November 30, 2008.

Profile of organization

Vocational (agricultural) Lyceum # 11 trains students in six professions in the system of elementary and middle vocational education: commerce and trade; product processing in the catering industry; hair styling; gardening and landscaping; and tailoring. The lyceum has designed and implemented projects for planting trees and shrubs and improving the sites of a number of city enterprises.

Project summary

As part of the lyceum's targeted an effort to bring up a healthy generation, this project will modernize the lyceum's sports ground which is attended by 670 students and young residents of Golovnoye community.

The new racetrack, volleyball court and jumping pit will allow to diversify gym lessons; and athletic programs developed for the new sports ground will help promote health preservation and wholesome behavioral patterns.

Contact information

68 Mendelejeva St., Nevinnomyssk, Stavropol Krai 357112

Project coordinator

Victor Pegov, tel.: (86554) 7-82-30; fax: (86554) 7-82-00; e-mail: barhat5@mail.ru

Anticipated results

The main result of this project is to improve the health of the students through more active athletic activities; organizing sports games, tournaments and athletic training groups; and conducting days of health of the community and the city at the sports ground of the lyceum.

The youth of the community will be provided with access to athletic activities during free time, while the sports programs will introduce a culture of healthy life styles.

Donation 520 000 rub. Grantee contribution 80 000 rub. Total project amount 600 000 rub.

Project Winter Garden: a Landscaping Consultation Center for Local Educational Institutions

Organization:

Young Natural Scientists Center, a municipal after-school educational institution in Nevinnomyssk

Start date: March 1, 2007

End date: February 28, 2008

Profile of organization

The staff of the Young Natural Scientists Center works in accordance with its 2005-2008 Activities Plan that was developed based on the 2006-2010 Regional Environmental Education Program. The Museum of Bread created by the Center was the second in the City Museums Contest in the nomination "Educational Activities".

Project summary

Organizing a winter garden at the Young Natural Scientists Center in Nevinnomyssk and an exposition of plants that improve the environment.

The project will carry out public information activities at local educational institutions and in the community; organize training and research activities involving pupils; develop a package of information materials for conducting educational seminars in the city; broadly reflect project activities and results in the local press; propagate valuable plant species; and help other educational institutions of the city to plant trees and shrubs.

Contact information

9 Revolutsionnaya St., Nevinnomyssk, Stavropol Krai 357100

Project coordinator

Svetlana Chirgina, tel.: (86554) 3-77-24.

Anticipated results

- Renovation of the Young Natural Scientists Center's Study Room;
- Purchase of plants that improve indoor microclimate (over 110 flowerpots);
- Landscaping and planting trees and shrubs on an area adjacent to the Young Natural Scientists Center – forming decorative expositions from plants known for their medicinal effect (at least 50 seedlings);
- Organizing excursions for students of the city's schools, children attending kindergartens, parents, teachers and community members (at least for 800 pupils a year);
- Consultations for community members and 4 one-day training seminars;
- Publication of an information brochure (250 copies, 40 A4 pages);
- Propagation of the most valuable plants from the point of view of their medicinal effect on the environment (at least 50 species);
- Help in installing houseplants at the local boarding school and Kindergarten # 49 (at least 50 flowerpots);
- Organizing educational and research activities for pupils at the Winter Garden;
- A communications campaign to cover project activities and results;
- Raising the level of environmental culture and awareness among children and youth.

Donation 520 000 rub. Grantee contribution 65 145 rub. Total project amount 585 145 rub.
