



REPUBLIC OF BULGARIA
MINISTRY OF ENVIRONMENT AND WATER

**BASIN DIRECTORATE FOR MANAGEMENT OF WATER IN THE
DANUBE REGION WITH CENTER PLEVEN**

Outgoing № 3ДОН - 254
Pleven, 05. 11. 2010

TO: MR. ALEXANDER CHAKMAKOV
EXECUTIVE DIRECTOR OF “GRAVEL AND SAND PITS BULGARIA” EAD
BULGARIA, 1528 SOFIA, at 6, PORUCHIK NEDELCHO BONCHEV STREET

Regarding: Submitted Application for provision of information with entry No 3ДОН – 254, 22. 10. 2010 under the inventory of the BDWMRD – Pleven

INFORMATION

DEAR MR. CHAKMAKOV,

In connection with the submitted by you Application with entry No 3ДОН – 254/ 22. 10. 2010 under the inventory of the BDWMRD - Pleven whereby you wish to receive information about:

- 1. The drinking water sources and mineral water sources close to the boundaries of Mishka Section, Kama Section and pier site, according to coordinates, provided in the Annexes to the Application for Access;*
- 2. Availability of established sanitary – guarded zones around the water sources for drinking water and mineral water under item I;*
- 3. Situation of the SGZ belts in reference to the IP site;*
- 4. Availability of water sources for own needs within the boundaries of the residential areas Bavobo village, Municipality Slivo Pole, Ruse Region, and village Pirgovo, Municipality Ivanovo, Ruse Region;*
- 5. Information about the quality and quantity status of the ground water in the Lower Cretaceous and Quaternary aquifers within the region of the investment proposal;*
- 6. Presence of transboundary ground water bodies and their main characteristics, subject to the relationships with the Republic of Romania.*

After analysis of the available data from experts of BDWMDR – Pleven, we inform you about the following:

Concerning item 1 - we provide you the coordinates of the water sources for drinking water supply, with issued permits.

№ of permit	Code of water body	Name of facility	Y East	X_North
11510054	BGlG0000Klb041	PW -PW1 – W&S Ruse, PS Brashlen	9514490	4772554
11510073	BGlG0000Klb041	PW -PW1 – W&S Ruse-Golyamo Vranovo	9512190	4769390
11510073	BGlG0000Klb041	PW –PW2 – W&S Ruse-Golyamo Vranovo	9512155	4769363
11510091	BGlG0000Klb041	Raney-1 W&S Silistra - Tutrakan	9530532	4777402
11510091	BGlG0000Klb041	Raney-2 W&S Silistra - Tutrakan	9530420	4777522
11510091	BGlG0000Qa1010	Raney-3 W&S Silistra - Tutrakan	9529833	4777477
11510092	BGlG0000Qa1010	PW -PW1 – W&S Ruse, PS Brashlen	9514532	4772582
11510100	BGlG0000Qa1010	P4 W&S Razgrad Ryahovo	9508532	4772937
11510100	BGlG0000Qa1010	P5 W&S Razgrad Ryahovo	9508992	4773221
11510100	BGlG0000Qa1010	P6 W&S Razgrad Ryahovo	9509400	4773633
11510100	BGlG0000Qa1010	P7 W&S Razgrad Ryahovo	9509794	4774094

Within the region, subject to your query, there are no mineral water springs.

Concerning item 2 and item 3:

The location, identified for extraction of aggregate materials is located parallel along the place for extraction of aggregate, i.e. it is located parallel along the northern side of Mishka island and the Romanian bank, and to the south of it, on the Bulgarian bank of river Danube are 6 wells type Raney are located – W&S Razgrad - Ryahovo.

The closest distance to the second Raney type well is 150 m, but beyond belt 1 of SGZ.

The second place, set aside for extraction of aggregate materials is lateral along the bank of river Danube and Kama island, from the side of the Bulgarian section. At 450 m from the bank pumping station Pirgovo-Trastenik is located.

Concerning item 4:

Basin Directorate for Management of Water in Danube Region, according to Article 118 d, paragraph 3, item 5 of the Water Act maintains registry of the facilities, used for the own needs of the citizens. The registry is public and is internet available on the page of the BDWMDR – www.dunavbd.org, section, Registries/ Facilities for water abstraction from ground water/ Bureau Ruse.

Concerning item 5:

In the region of the investment proposal the following ground water bodies are contoured:

- “*Pore water in the Quaternary – Brashlyan plane*” with code BG1 G00000QAL010 – is in bad quantity status and good chemical status;

- “*Karst water in the Ruse formation*” with code BG1G0000Klb041- is in good quantity status and good chemical status;

- “*Karst water in Malm-Valanginian Basin*” with code BG1G0000J3K051 - is in good quantity status and good chemical status;

Concerning item 6:

The transboundary ground water bodies, coordinated with Romania are as follows:

- "Karst water in Malm-Valanginian Basin " with code BG1G0000J3K051 with initial characteristics:

- **Area, in square km** - 13033 (on Bulgarian territory);
- Type of the accommodating collector – Karst;
- Type of the water body – pressurized;
- **Litho logical structure** - irregularly karsted and cracked limes with dolomites and dolomitized limes, alevrolites, sandstones with marl strata;
- **Characteristics of the covering UWB (*Underground Water Basin*)** layers in the feeding zone of loess deposits in the open parts;
- **Average thickness of UWB**, m- 810;
- **Average water permeability**, m²/day – 2430;
- **Average coefficient of filtration**, m/day – 3;

- *Karst-pore water in Neogene-Sarmat-Dobrudhza (the water body does not fall in the region of the investment proposal)* with code BG1G00000N1049 with initial characteristics:

- **Area, in square meters km** - 3308 (on Bulgarian territory);
- Type of the accommodating collector – Karst;
- Type of the water body – pressurized;
- **Litho logical structure** - limestones, sands, sandstones and clays;
- **Characteristics of the covering UWB layers in the feeding zone** – loess, loess type clays and clays;
- **Average thickness of UWB**, m- 40-60;
- **Average water permeability**, m²/day- 200 – 250;
- **Average coefficient of filtration**, m/day - 10-20 (up to 40);

Respectfully,

/Signature unreadable/

RUMEN PENKOV

*Director of Basin Directorate for Management of Water in the Danube
Region with center Pleven*

ROUND STAMP: BASIN DIRECTORATE FOR MANAGEMENT OF WATER IN THE DANUBE REGION

RECTANGULAR STAMP:

<p><i>FOR DIRECTOR: HEAD OF DEPARTMENT SUBSTITUTION ORDER: No ПД-928/25.10.2010</i></p>
