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Water Sector in Serbia Wastewaters-overview



BRUSSELS REGIONAL PUBLIC SERVICE

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Introduction

Serbia has advanced with harmonising its legal framework with the environment acquis in recent years, but further substantial efforts are needed, especially in the areas of waste management, water management and wastewater treatment, nature protection, industrial pollution control and risk management, and air quality. Moreover, Serbia needs to further align with climate legislation. Serbia was granted EU candidate status in March 2012 and its environmental policies and legal framework are strongly influenced by the EU accession negotiations. Serbia, as a candidate country for EU accession, is slowly adapting to the EU's environmental standards.

However, Chapter 27, the largest of the 35 negotiation Chapters in terms of legislation, is yet to be opened. While the European Commission has noted, in its 2016 assessment report, that Serbia is still at an early stage of aligning policies and legislation with the environment and climate change acquis, even though some progress in further aligning was made, the Serbian Government has, according to the Post-Screening Documents, undertaken to fully harmonize its national legal and regulatory framework with respect to the environmental issues by 2018.

General information on Serbia



Serbia, officially the Republic of Serbia (Serbian: Република Србија/Republika Srbija), is a landlocked sovereign state situated at the crossroads of Central and Southeast Europe, covering the southern part of the Pannonian Plain and the central Balkans. Serbia is situated along a number of cultural, geographic, and climatic crossroads. It borders Hungary to the north; Romania and Bulgaria to the east; Macedonia to the south; and Croatia, Bosnia and Herzegovina, Montenegro to the southwest. Serbia numbers around 7 million residents, and its capital, Belgrade, ranks among the largest cities in Southeast Europe.

Region – south-east Europe, non EU member

Size – 77,474 km²

Geography – mountainous in south, fertile plains to north

Language – Serbian 88.1%, Hungarian 3.5%, Romany 2.1%, Bosnian 2%, other 4.3%

Religion – Serbian orthodox 84.6%, Catholic 5%, Muslim 3.1%, other 7.3%

Monetary Unit – Serbian dinar

Natural Resources – oil, gas, coal, iron ore, copper, zinc, antimony, chromite, gold, silver, magnesium, pyrite, limestone, marble, salt, arable land.

Metalwork and machine building industry

Industry's long tradition dates back to 1853 when the newly-built foundry successfully casted its first cannon, marking the start of the Serbian metals/machine building industry's development, but also of the manufacturing in Serbia. Nowadays, it is still one of the most important sectors

of the Serbian economy, accounting for 6% of national GDP, with highly-skilled workers, trained to meet European standards. On the other hand, labor costs are among the lowest registered in the Serbian industry.

Agriculture – wheat, maize, sunflower, sugar beets, grapes/wine, fruits (raspberries, apples, sour cherries), vegetables (tomatoes, peppers, potatoes), beef, pork, and meat products, milk and dairy products

Industry – automobiles, base metals, furniture, food processing, machinery, chemicals, sugar, tires, clothes, pharmaceuticals

Neighbouring Countries – Hungary, Romania, Bulgaria, Macedonia, Kosovo, Montenegro, Bosnia and Herzegovina, Croatia

Population – 7,176,794 (2015)

Population Growth Rate – -0.46%

Average Life Expectancy – 75.26

Capital City – Belgrade (population 1,182,000)

GDP per capita, current US\$ 5,340 (in 2016)

President: Aleksandar Vučić

Economic overview

The Serbian economy benefited from a recovery of consumption (up 1.1%) and exports (up 11.9% year-on-year [y-o-y]) in 2016. As a result, real GDP growth is estimated at 2.8% (y-o-y). Unlike in previous periods, in both 2015 and 2016, private investment provided particular support to growth, which could have been even stronger if not for a recent increase in imports (6.8% in real terms). Looking across the sectors of the economy, growth in 2016 was broad based. Agricultural output increased by 8.3% y-o-y in real terms in 2016, and value added in industry increased by 3.6% and in services by 2.2% compared to 2015.

The improved economic performance was reflected in the labor market, with employment rates exceeding those from before 2009. Both the activity and the employment rates, at 52.3 and 45.5% in the fourth quarter of 2016, respectively, have increased over the past two years. The unemployment rate fell to 13% in the fourth quarter, the lowest level since 2008.

In 2016, real wages increased by 2.6% (y-o-y) after declining for three consecutive years. However, almost a third of the increase in employment came from the informal sector. Youth unemployment dropped but remains high at 31.2%.

Growth is projected to accelerate from 2.8% in 2016 to about 4% over the medium term. An increase in consumption is expected to be the main driver of growth, with investment also gaining in importance. The ongoing fiscal consolidation program aims for the fiscal deficit to decline to around 1% of GDP over the medium term, which should bring public debt as a share of GDP to below 70% by 2019. With domestic demand recovering gradually, inflation is set to return to the target band in 2017. External balances are projected to improve, with the CAD below 4% of GDP over the medium term.

Public debt declined to around 74% of GDP by year-end. Inflation averaged 1.2% in 2016, well below the central bank target band, due to a still relatively weak domestic demand. Low

inflation in 2016, and in particular a decrease in food prices (thanks to the good agriculture season), helped protect purchasing power.

With economic growth and improvements in the Serbian labor market, poverty is expected to continue its gradual decline. Poverty measured at the US\$5/day poverty line is estimated to decline to 12.8% in 2017 and 11.9% in 2018.

Serbia | Economic Forecasts | 2017-2020 Outlook

Overview	Actual	Q2/17	Q3/17	Q4/17	Q1/18	2020
GDP Growth Rate	0.20	0.6	0.7	0.6	0.5	0.7
Unemployment Rate	13.00	12.4	12	11.7	11.5	10.5
Inflation Rate	4.00	3	2.8	2.9	3	2.6
Interest Rate	4.00	3.75	3.75	3.5	3.5	2.5
Balance of Trade	-469.70	-409	-409	-410	-411	-411
Government Debt to GDP	73.40	74.45	64.75	55.05	51.85	22.69

Water sector- current situation

Surface water resources are relatively substantial in Serbia. However, it should be noted that large international rivers (the Danube, the Tisa and the Sava) and small transboundary rivers account for 90% of all surface water resources that amount to some 162 billion m³ per annum.

The territory of Serbia includes parts of the Black Sea Basin (through the Danube River Basin), the Adriatic Sea Basin and the Aegean Sea Basin. Most of the country (about 92%) is situated in the Black Sea Basin (the Danube River Basin). The Danube River, with a discharge at its mouth of some 6,500 m³/s, is the 24th largest river in the world and the 2nd largest in Europe. In Serbia, the Danube is joined by three major tributaries: the Tisa, the Sava and the Velika Morava, as well as a number of minor tributaries.

Water management is under the jurisdiction of the national government, which has delegated the various tasks to the Ministry of Agriculture, Forestry and Water Management, other ministries, provincial administrative bodies, agencies of local administrations, and government-held water management companies. Major administrative functions related to water management reside with the Ministry of Agriculture, Forestry and Water Management, or rather the National Water Directorate attached to it. Three government-held water management companies operate in Serbia: Srbijavode (Serbia Waters), Vode Vojvodine (Waters of Vojvodina) and Beogradvode (Belgrade Waters)

Serbia was granted EU candidate status in March 2012 and its environmental policies and legal framework are strongly influenced by the EU accession negotiations. EU acquis screening of the Chapter 27 – Environment has been completed on 21 November 2014. 2017 marks the fourth year in the process of negotiations on the Republic of Serbia's accession to the European Union. Serbia, as a candidate country for EU accession, is slowly adapting to the EU's environmental standards. It is a country of scenic beauty with important water resources, as well as being a regional centre of biodiversity, with many species and habitats endemic to Serbia

only. The government has declared it a policy to preserve these assets for generations to come, and to put the country on a sustainable, low carbon growth path.

However, Chapter 27, the largest of the 35 negotiation Chapters in terms of legislation, is yet to be opened. While the European Commission has noted, in its 2016 assessment report, that Serbia is still at an early stage of aligning policies and legislation with the environment and climate change acquis, even though some progress in further aligning was made, the Serbian Government has, according to the Post-Screening Documents, undertaken to fully harmonize its national legal and regulatory framework with respect to the environmental issues by 2018.

Waste management remains a major challenge. Serbia lacks infrastructure for treatment, disposal and storage of hazardous waste. Only six landfills from around 3500 waste dumpsites comply with the EU requirements. Over 140 landfills and dumpsites have been estimated posing high risks to the environment. The level of recycling or re-use of waste is very low with only about 4%. Serbia will need to increasingly focus on other forms of waste management, following the waste hierarchy, and using landfilling as a last resort.

The lack of a national water protection strategy hampers strategic investment planning in the water sector. Completion of the surface and groundwater monitoring network is pending. Water pollution is another major problem, mainly due to outdated technology, lack of pollution abatement installations, inadequate storage and disposal of by-products, untreated industrial and municipal waste water, drainage water from agriculture, leachate from landfills, and pollution related to river navigation. Serbia will need to comply with the Water Framework, Urban Waste Water, Drinking Water, Groundwater, Water Quality Standards directives requiring Serbia to invest in the relevant water management and wastewater treatment facilities in the coming years. Currently, they exist in 21 municipalities out of over 200 registered agglomerations. Only 5% of industrial wastewater undergoes the full three stages of wastewater treatment.

Water sector

<p><u>Strengths</u></p> <ul style="list-style-type: none"> • Strong government support and European funding for upgrades and modernizations of water networks and water treatment facilities. • Majority of urban population connected to mains and sewage networks. • Low tariffs good for industrial complexes. • New legislation governing water pollution and distribution. • Growing project pipeline for water infrastructure, particularly wastewater treatment and sanitation. 	<p><u>Weaknesses</u></p> <ul style="list-style-type: none"> • High wastage of water due to low tariffs. • Relatively high water losses due to poor or outdated facilities and equipment. • Limited number of wastewater treatment facilities, resulting in high pollution levels. • Few rural areas connected to sewage systems. • Limited and ineffective anti-pollution legislation. • Limited water conservation mechanisms. • Complicated and inefficient government authorities overseeing various aspects of the water supply, treatment and distribution. • Poor legislation allowing wastage and pollution of water.
<p><u>Opportunities</u></p> <ul style="list-style-type: none"> • Expansion and modernization of water facilities • New legislation should increase water quality and ease of access, particularly for Commercial and industrial sectors. • Large government investment opportunities and possible PWC privatizations. 	<p><u>Threats</u></p> <ul style="list-style-type: none"> • Continuing inefficiency regarding government authorities could further complicate ease of access. • Reliant on water sources from outside of its national territory, so regional unrest could affect water supplies. • Rising pollution levels in water could result in widespread disease.

CURRENT STATUS IN WASTEWATER TREATMENT IN SERBIA

Wastewater is one of the main polluters of surface and groundwater which form a natural source of drinking water. This especially applies on industrial waste and landfill leachate that in a large percentage are not treated. To Wastewater treatment needs to be devoted great care to minimize the problem of drinking water, which is directly associated with the health of the population.

Water pollution is difficult to prevent and annulled, but with the efficient treatment of waste water their impact on receiving waters can be significantly reduced. This is accomplished by frequent monitoring of the situation of wastewater quality and their recipients, through tests of harmful substances namely pollution levels. In this way ensures compliance with legal regulations, that is the discharge of the treated waste water into the water courses and efficient control of plant for waste water. The main goal of the application of such measures is to reduce the influence of waste water to surface and groundwater water conservation and improve their quality in order to be able to secure the longer used as natural sources of drinking water.

Main problems in Serbia:

- Degraded quality of water bodies
- Big percent of population is not connected to the sewage system
- Inadequate maintenance of the old sewage systems
- Lack of data in some areas about the population connectivity
- Discharge of the untreated wastewaters even from the big cities into the water bodies
- Unawareness of the population about the environmental issues
- Unsatisfying analysis for the design of wastewater collection and treatment facilities (too much assumptions and small investment into the analysis part of the design).
- the least regulated water industry
- insufficient and inadequate public utility infrastructure as well as pre-treatment and industrial wastewater treatment
- insufficient investment
- jurisdiction over water services

- institutional capacity
- preparation and implementation of projects
- complex administrative procedures

In the network of public health institutions during 2016 was examined 5922 samples of wastewater and surface water from the facility of 933 firms. The ratio of respondents samples and the number of firms is higher in 2016 compared to 2015 (6,35: 5,96) which means that it were tested multiple samples of wastewater and surface water (Table 1). From the total number of samples tested, 1935 (32.68%) of the samples was incorrectly ie. did not match the quality, which is 1.33% more than in 2015.

The number of correct specimens of the tested wastewater was 2510 (42.38%), which is less than for the 2015 for 1.58%. It can be concluded that there has been a significant change in attitude in the year 2015, when it comes to wastewater treatment. In 2016 was examined 1477 examples (24,94%) of surface of the water into which were examined possible changes in quality, which is for 0.25% more than in 2015, when it was tested 1528 (24.69%) samples of receiving waters. This data indicates the slightly positive trend monitoring of surface water quality in the past several years and their protection from wastewater pollution. What is the quality of the surface water on the recipients, tested during 2016. In the districts of the Republic of Serbia, there are no exact data. As for the quality surface waters tested in the laboratory of the Institute of Public Health of Serbia Dr „ Milan Jovanovic Batut „ it can be concluded that waste waters are not substantially disturbed examined quality of watercourses, and that their findings match the established criteria.

Table 1: Records on the number and quality of the tested samples of wastewater and surface water in health institutions in Serbia

No.	County	Number of companies (industrial plants)	The total number of the examined samples of surface and waste water	Number of samples tested surface water	Number of proper wastewater samples	The number of defective samples of wastewater	The most common cause of this sample waste water
1.	Severnobački	67	473	82	216	175	Suspension of the substances, *COD and BOD5, pH
2.	Srednjobanatski	20	108	0	49	59	Suspension of the substances, COD and BOD5, the total P
3.	Severnobanatski	50	79	34	15	30	COD, BOD, total capital. kolifor. bacteria
4.	Južnobanatski	12	103	0	39	64	susp. substances, COD, BOD 5, and fat oils, total P and N
5.	Zapadnobački	20	353	146	131	76	BOD 5, COD, susp. substances
6.	Južnobački	47	208	0	92	116	susp. substances, COD, BOD 5, and fat oils, total P and N
7.	Sremski						
8.	Beogradski	14	167	0	132	35	chemical, organic
9.	Mačvanski	59	208	46	91	71	organic and hazardous substances
10.	Kolubarski	18	39	13	5	21	susp. matters, COD and BOD5,

							ammonia, nitrites, fats and oils, Fe, MB
11.	Podunavski						
12.	Braničevski	76	334	111	103	120	ammonium ion, susp. matter, BOD5, COD, O2, Cr, Sn, Zn
13.	Šumadijski	44	278	78	61	139	phosphates, fats and oils, BPK5
14.	Pomoravski	19	708	62	359	287	COD, BOD 5, a total of N, ammonia, susp. matter,
15.	Borski						
16.	Zaječarski	40	331	108	179	44	ammonium ion, BOD5, susp. matter, pH, total fat and oil
17.	Zlatiborski	81	366	104	148	114	BOD 5, COD, susp. matter, MB
18.	Moravički	45	305	100	147	58	BOD 5, COD, susp. matter, ammonia, fats and oils
19.	Raški	46	288	47	176	65	ammonium ion, orthophosphate, heavy metals, BOD5, susp. substances
20.	Rasinski	88	455	141	198	116	pH, COD, BOD 5, susp. matter, chlorides, sulfates, ammonia, total fats and oils
21.	Nišavski	54	90	216	98	176	chemical
22.	Toplički						
23.	Pirotski	9	82	32	34	16	increased content

							of fats and oils
24.	Jablanički	53	216	73	89	54	COD, BOD 5, nutrients, susp. materials, chlorides, ph
25.	Pčinjski	37	205	62	101	42	increased content of ammonium, phenols, detergents
26.	Institute of Public Health of Serbia „Batut“	19	109	20	41	48	increased content of ammonium ions, fat and oil, ortho and total phosphates
27.	Kosovsko - Mitrovački	15	17	2	6	9	bacteria of faecal origin
Total	26 districts	933	5922	1477	5210	1935	
%			100	24,94	42,38	32,68	

*COD-Chemical Oxigen demand

BOD-Biological Oxigen demand

Ph- (potential of hydrogen)

Total P and N – phosphorus and nitrogen

Serbia processes only 5-10% of its wastewater. In order to align with EU environmental standards, 320 wastewater treatment facilities should be constructed. More than 50% of industrial facilities in Serbia do not treat wastewater, because there are no treatment systems in place. Belgrade itself, a city with over two million inhabitants, does not treat wastewater since there is no wastewater treatment plant. Wastewater thus ends up in the Danube river. Nowadays, Serbia is one of least developed countries in Europe in terms of the state of utility services, while numerous floods that had previously hit Serbia additionally influenced this sector.

In the most European cities the percentage of households connected to the sewerage system varies around 95% while in Belgrade this number reaches only 85%. At the national level these indicators show an even worse situation. For example in the Province of Vojvodina the

same indicator is around 45%, while in central Serbia it goes even lower with around 37% of the population is connected to the sewerage system.

The results of an analysis performed within the project 'Global Waste Water Study in Serbia & Pre-feasibility Study for Belgrade Waste Water Management' show that about 75% of the total urban population in Serbia is connected to the public sewerage system. The percentage of the rural population connected the public sewerage system is about 9%. Only three urban municipalities have a rate higher of 75% - Kragujevac, Novi Sad and Sremski Karlovci. Agglomerations with a population smaller than 25,000 are usually equipped with the general sewerage system while municipalities with 25,000 to 250,000 citizens have a separate storm water system. The city of Novi Sad has only one sewerage system.

Of those plants actually in operation, the majority of them favor secondary treatment, which will produce water suitable for irrigation and some industrial purposes, but not entirely in accordance with EU regulations. The overall volumes of wastewater receiving treatment has not seen much in the way of growth as the majority of the water treatment plants are already operating at full capacity. This problem is intensified by the fact that a number of the existing wastewater treatment plants have been abandoned due to poor maintenance and lack of financial resources. The majority of wastewater comes from cooling waters used predominantly in electricity generation and manufacturing. This does not, largely, require treatment.

Sewage from municipal systems accounts for the lion's share of wastewater which needs treatment, while municipalities with no systems, and industrial discharge, account for similar shares of the overall wastewater. As the sanitation sector receives additional investment over the longer term, we expect this balance to shift, with the majority of non-cooling wastewater coming from public sewage systems. The volumes of wastewater from municipal sewage systems has seen a moderate decline as municipal areas with better infrastructure benefit from lower losses and improved consumption practices (more conservative) which reduced the volumes of water consumed and discharged. Conversely, the volume of wastewater from industrial consumers has risen substantially over the past few years. In particular, mining saw strong growth in Wastewater volumes, though manufacturing has declined somewhat.

According to EU 2016 report Serbia has achieved some level of preparation in this area. Some progress has been made in further aligning policies and legislation with the acquis, including in waste, nature protection and climate change. Serbia improved its strategic planning and set up a Green Fund, both key recommendations in 2015. In the coming period, Serbia should in particular:

→ enhance administrative and financial capacity by strengthening the environmental protection agency's monitoring and reporting, adequately resourcing the new environmental finance facility (Green Fund) and improving inter-institutional coordination at both central and local level;

→ intensify efforts regarding implementation and enforcement including closing noncompliant landfills, investing in waste separation and recycling, reinforcing air quality monitoring and advancing on river basin management;

→ ratify the Paris Agreement and start implementing it, including by developing a comprehensive strategy for climate change that is consistent with the EU 2030 framework for climate and energy policies and well integrated in all relevant sectors.

Environmental policy is, after all, the single most participatory EU policy providing the public with far-reaching rights regarding access to information, justice and participation in decision-making. Given the magnitude of the task ahead, but also bearing in mind the significant benefits, Serbia will from this stage onwards need to mobilise all available resources in order to make tangible progress in managing its environment and climate change challenges and succeeding in accession negotiations. The EU supports Serbia in this endeavor. Since the year 2000, approximately a billion euros has been granted to the environment and climate change sector, with over 1.5 million direct beneficiaries in the country.

Legislation

After the adoption, in 2004, of the general Law on the Protection of the Environment, the ecological legislation in Serbia has undergone important and profound changes. The two major characteristics of this transformation were, on the one hand, the adoption of numerous special laws and, on the other, the progressive harmonization of national legislations with EU law. However, in many areas, the EU law is only partially transposed, especially when the application of legal provisions depends on governmental decrees and/or ministerial decisions. Given the technicity of numerous ecological standards, national legislation often remains practically inapplicable without a series of acts implementing standards globally defined by provisions of general and special legislation.

By implementing amendments into the new Law on Environmental Protection new elements have been introduced into the environmental legislation of the Republic of Serbia, which signifies another step taken towards harmonization with EU legislation. One of the new elements introduced by this Law is the obligation of legal entities and individual persons degrading the environment to implement rehabilitation and remediation measures according to a precisely specified plan, with the prior consent of the competent Ministry. If they fail to carry out such obligation, the Ministry itself may implement the specified measures, which will be charged to the entity or person whose obligation it was

One of the most important new elements introduced by the amendments to the Law on Environmental Protection is the establishing of the Serbian Green Fund, as a budgetary fund, the purpose of which is to finance priority projects in the domain of environmental protection. The founding of the Green Fund of the Republic of Serbia, as one of the key mechanisms in financing programs and projects in the area of environmental protection, has enabled the financing of projects and subsidies aimed at environmental protection; while significant investments into large infrastructure projects in the field of waste management and waste water management infrastructure have also been announced Procedures to forge public-private partnerships for communal waste management and its permanent disposal have commenced as well.

Additionally, legal conditions for sorting household communal waste and the obligations of local communities to create conditions for the collection and separation of such waste have been created; while legal entities owning an integrated permit for the operation of facilities have been enabled to import non-hazardous waste for re-use for own purposes, something which will significantly facilitate a balanced use of waste as well as increase competitiveness on the market.

Projects

As far as the EU accession process and sectoral policy reform goes, Environment and climate change represent the most complex and challenging sector of our society, especially when it comes to the administrative, financial, and technical and legislation needs. More than a 700 different legal acts, more than 10 billion euros required for the environmental approximation. The most significant components of the environmental approximation are water supply, waste water treatment and sewage, and waste management. Together, these three, so called "heavy investment directives", make about 80% of total approximation. Serbia currently has around 8% of waste water treatment, in about 44 wastewater treatment plants out of which 6 are operational.

The goal of 99% will be reached once Serbia has roughly 320 WASTEWATER TREATMENT PLANTS and invest up to 5 bill. euros in these facilities. With 3500 dumpsites, 9 regional waste management centers, 60% of waste collection coverage and only 5% recycling rate, there is a long way to go in waste management as well and 1 billion euros to invest. Up to now, the EU had, through IPA, invested significant means into development of environmental infrastructure. wastewater treatment plants in Vrbas, Sabac, Leskovac, water supply systems in Rasina and Morava, landfills in Sremska Mitrovica, Uzice, Pirot and Subotica, are some of the projects in which EU and Serbia had been building cooperation, environmental development and mutual experience.

EU IPA II funds had allocated around 160 million euros for environment and climate change projects. The Serbian environment and climate sector received around EUR 275 million of international donor assistance, including around EUR 200 million from IPA national

programmes over the period 2007-13. IPA support included investment projects especially in waste water treatment, municipal and hazardous waste management, reduction of emissions from the thermal plants, legal alignment and capacity building, including support to the Serbian Environmental Protection Agency, Natura 2000, chemicals management, environmental inspection. From the EU Member States especially Germany, Sweden, the Netherlands and Spain have provided support in this area. Soft loans have been provided by EBRD, KfW and the World Bank. The objective of EU assistance is to align Serbian legislation with the EU environmental and climate change acquis and to strengthen institutional capacities for implementation and enforcement. A further objective is to develop and improve environmental infrastructure, especially in the areas of waste management, water management and urban wastewater treatment.

These funds will, alongside co-financing from the national instrument for environmental financing, Zeleni fond (Green fund), bring Serbia closely to fulfilling challenging EU environmental acquis. Wastewater treatment plants in Brus and Blace will bring clean waters to regional water supply system of 250 000 citizens, wastewater treatment plant in Kraljevo will, together with wastewater treatment plant Raška, preserve Ibar river and valley, and wastewater treatment plant in Nis, our largest infrastructure project will take out 20 000 tons of sludge from Nisava and Danube annually. Regional waste management systems in Novi Sad, Kragujevac, Ub and Zrenjanin, together with remediation of Veliki Backi kanal and recultivation of dumpsites in Jagodina region, will significantly improve the living standards and health of Serbia's citizens and bring Serbia closer to EU environmental standards.

Here is the revised SPP for Serbia regarding the water management projects.

Revised Single project pipeline

Definition of Group:

Group 1 – Ready for tendering and investment realization

- Group 1a – projects with technical documentation prepared, ready for tender preparation or tendering
- Group 1b – projects with preparation of technical documentation ongoing, and ready for tendering when it is finished

Group 2 - Ready for preparation of technical documentation

- Group 2a – projects with spatial planning documentation completed with preconditions for land acquisition in place
- Group 2b – projects with gaps in spatial planning documentation with preconditions for land acquisition still pending

WATER MANAGEMENT SUBSECTOR PROJECTS			Total score based on Strategic relevance	Group based on GAP
1.	Construction of Waste Water Treatment Plants and collection system in the city of Belgrade (without Batajnica sewage system)	€ 421.82m	100	2a
2.	Požega wastewater collection and treatment	€ 18m	92	2b
3.	Regional water supply system „Toplički“ for water supply of Blace, Kuršumlja, Prokuplje, Merošina, Žitorađa and Niš	€ 77.5m	92	2b
4.	Waste Water Treatment System in Kraljevo City	€ 17.1m	92	1a
5.	Zrenjanin Waste water collection and treatment	€ 22.4m	88	2b
6.	Ivanjica wastewater collection and treatment	€ 14.46m	88	2b
7.	Bajina Basta wastewater collection and treatment	€ 3.03m	88	2a
8.	Uzice (Gorjani) wastewater collection and treatment	€ 15.4m	88	2a
9.	Čačak Wastewater collection and treatment	€ 20.03m	88	2b
10.	Jagodina wastewater collection and treatment	€ 7.6m	88	2a
11.	Nis WWTP	€ 74.8m	83	2a
12.	Novi Sad WWTP	€ 70.3m	83	2a
13.	Stara Pazova Indjija WWTP	€ 43.4 m	83	2b
14.	Surface Waste Water treatment of the Majdanpek Copper Mine Southern Open Pit	€ 15m	83	2a
15.	Construction of the Waste Water Treatment Facility for Makis I and Makis II	€ 7.3m	83	2a
16.	Pancevo WWTP	€ 20.7m	83	2b
17.	Novi Pazar Wastewater collection and treatment	€ 26m	83	2b
18.	Improvement and construction of major facilities of Batajnica sewage system with wastewater treatment plant Batajnica	€ 43.9m	83	2b
19.	Požarevac wastewater collection and treatment	€ 12m	83	2b
20.	Arilje wastewater collection and treatment	€ 10.48m	83	2b
21.	Kolubara regional water supply system - construction of main pipeline from the reservoir in Slovac to Ub, Lajkovac and Lazarevac and main pipeline Divci-Mionica	€ 7.88m	83	2a
22.	Vrsac wastewater collection and treatment	€ 4.85m	79	2a
23.	Kikinda wastewater collection and treatment	€ 6.5m	79	2a
24.	Pirot wastewater collection and treatment	€ 12m	79	2a
25.	Zaječar wastewater collection and treatment	€ 12.88m	79	2b
26.	Tutin wastewater collection and treatment	€ 9.89m	79	2a
27.	Bor WWTP	€ 23.4m	75	2b
28.	Lebane wastewater collection and treatment	€ 10.9m	75	2b
29.	Knjaževac wastewater collection and treatment	€ 15.5m	75	2a
30.	Odžaci wastewater collection and treatment	€ 18m	75	2a
31.	Loznica wastewater collection and treatment	€ 9.94m	75	1b
32.	Brus and Blace WWTP and sewerage network	€ 11.65m	71	1b ongoing for 1a
33.	Prokuplje wastewater collection and treatment	€ 21.6m	71	2b
34.	Kuršumlja wastewater collection and treatment	€ 12.26m	71	2a
35.	Protection of Lake Bovan Catchment area (Soko Banja)	€ 8m	70	2b
36.	Srbobran wastewater collection and treatment	€ 24.04m	67	1b

LIST OF COMPANIES ACTIVE IN WATER TREATMENT SECTOR

<p>ABB d.o.o. Bulevar Peka Dapčevića 13 11010 Beograd Srbija</p> <p>Telefon: +381 11 3094 300 Telefax: +381 11 3094 343 E-pošta: RS-office@abb.com</p>	<p>ABB (www.abb.com) is a leading global technology company in power and automation that enables utility, industry, and transport & infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 135,000 people.</p>
<p>AC.MO – DOMINION EXPORT-IMPORT d.o.o. Dobračina 55, 11158 Beograd, Srbija Tel: +381 11 2920 361 Fax: +381 11 3344 938 E-mail: office@dominion-valves.co.rs Web: www.dominion-valves.co.rs</p>	<p>Dominion is established in 1991. in Belgrade and it's specialized export-import company for industrial armature and representing foreign companies/producers in this field. Dominion imports armatures, that are not produced in Serbia, from world known companies from Italy, Austria and Germany. DOMINION is exclusive agent of company AC.MO, Italy.</p>
<p>ACO gradjevinski elementi d.o.o.o. Mala Pruga 39a, 11283 Beograd 135, Srbija Tel: +381 11 4141 580 Fax: +381 11 4141 590 E-mail: aco@aco.rs Web: www.aco.rs</p>	<p>ACO Group is one of the leading world companies in the area of drainage and treatment of surface water and water inside objects. Each product within the ACO System chain: Collect – Clean – Hold– Realease, safely manages water and assures its re-use in economically and ecologically acceptable way.</p>
<p>AGS TRADE d.o.o. Bulevar Mihaila Pupina 10D/III, 11070 Beograd, Srbija Tel: +381 11 311 3202 Fax: +381 11 311 9038 E-mail: office@ags.rs Web site: www.ags.rs</p>	<p>AGS TRADE - Authorized distributor of DOW Water & Process Solutions, global leader in water treatment. DOW is world's leading producer:</p> <ul style="list-style-type: none"> - Ion exchange resins – DOWEXTM and AMBERTM - Membranes for Reverse osmosis and nanofiltration FILMTECTM - Membranes for Ultrafiltration - Electrodeionization - Self-cleaning filter TequaticTM Plus
<p>ALIAxis UTILITIES & INDUSTRY d.o.o. Čamurlijski put bb, 18211 Niš, Srbija Tel: + 381 18 4532 324 Fax: + 381 18 4202 426 E-mail: info@alixis-ui.rs Web: www.alixis-ui.rs</p>	<p>Distribution of FRIALEN electrofusion elements, VIKING JOHNSON universal joints, FIP and SIMONA industrial pipes and fittings, industrial pumps and related elements, PE and PP sheets and sales of complementary products in the systems of distribution of drinking water and natural gas, industrial applications, swimming pool technology and waste water -</p>

	with free technical support.
<p>ANALYSIS d.o.o. Gandijeva 76a, lok.49, 11000 Beograd, Srbija Tel: +381 11 3186 446 Fax: +318 11 3186 448 E-mail: info@analysis.rs Web: www.analysis.rs</p>	<p>The firm Analysis Ltd. was founded in 1996. Its basic activity is wholesale, maintenance and servicing of laboratory equipment and consumables, designing and service qualification services, applications and training of the equipment users. Analysis Ltd. selling program includes fields of work in the area of pharmacy, industry, environment, science and medicine.</p>
<p>ANKER ING d.o.o. NIŠ Gutenbergova 7, 18000 Niš, Srbija Tel: +381 18 577 838 Fax:+ 381 18 577 838 E-mail: anker.ing@hotmail.com Web: www.ankering.com</p>	<p>ANKER ING LLC NIŠ is authorized representative of the leading worldwide companies: AGRU GmbH Austria - manufacturer of high quality PE 100 and PPH pipes, electrofusion and butt welding fittings; HÜRNER GmbH Germany - manufacturer of electrofusion and butt welding machines and TERRA AG Switzerland - manufacturer of equipment for trenchless technologies</p>
<p>APIS CENTAR d.o.o. AUMA PRODAJNI I SERVISNI CENTAR Lole Ribara 120, Železnik, 11250 Beograd, Srbija Tel: +381 11 4047 530 Fax: +381 11 4075 731 E-mail: auma@apis-centar.com Web: www.apis-centar.com Web: www.auma.com</p>	<p>APIS CENTAR is general representative office for AUMA Group, one of the leading manufacturers of valve actuators for all valve types. Sales and service centers in Belgrade, Zagreb and Sarajevo cover the territory of Serbia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Slovenia and Albania. Along with sales, we provide service, maintenance, supply of spare parts, installation, commissioning, retrofit solutions..</p>
<p>AQUA INTERMA INŽENJERING d.o.o. Bulevar Oslobođenja 337c, 11000 Beograd, Srbija Tel: +381 11 2681 776 Fax: +381 11 2681 777 E-mail: office@aquainterma.rs Web: www.aquainterma.rs</p>	<p>AQUA INTERMA INŽENJERING offers a wide range of devices and equipment for water treatment, chemical dosing and disinfection systems for the production and treatment of drinking water, water treatment in industrial systems and wastewater treatment. In our product range, we have complete portfolio of products for the installation of gas chlorination systems, chemical dosing equipment, measurement, neutralization of chlorine gas and automatic control of the water disinfection process.</p>

<p>ARMAS Kancelarija: Starih orača 3, 11253 Sremčica, Beograd, Srbija Sedište: Kneza Miloša 42, 11450 Sopot, Beograd, Srbija Tel: +381 11 2522 233; +381 63 371 774 Fax: +381 11 2522 233 E-mail: office@armas.co.rs, armas.beograd@gmail.com Web: www.armas.co.rs</p>	<p>The production programme of ARMAS consists of joints which are used for construction and reconstructions of pipeline systems, and also for repairs of pipeline damages. Alongside production of classic joints for all types of pipes, we are also manufacturing a numerous special joints, which are used for quick, easy and efficient repairing of leakages at existing joints of pipes without consumers being cut-off or cutting off pipe.</p>
<p>ARMEX Svetozara Markovića 82, 21230 Žabalj, Srbija Tel: +381 21 6334 998 Fax: +381 21 6334 998 E-mail: info@armex.rs Web: www.armex.rs</p>	<p>Company Armex d.o.o. operates in the territory of Serbia and the countries of the former Yugoslavia more than 10 years. The production line is located in Žabalj about 20 km from Novi Sad, while sales and warehouse space is in Novi Sad, Partizanska 53. Products are designed for industrial purpose and for the construction of public infrastructure. Production program:</p> <ul style="list-style-type: none"> - water supply - sewage - drainage in occulsive blocs - home devices for water treatment - separators for grease and oil - pipes
<p>BINEMIKOM d.o.o. Toše Jovanovića 11, 11030 Beograd, Srbija Tel: +381 11 3058 138 Fax: +381 11 7547 495 E-mail: office@binemikom.rs Web: www.binemikom.rs</p>	<p>The offer of the company includes: pumps for drinking and waste water, industrial pumps, mixers, circulator pumps, booster stations and fire protection (Xylem Flygt, Lowara-Vogel), biological treatment of waste water (Xylem Sanitaire), screw pumps (SYDEX) equipment for mechanical water treatment (Aqseptence Group), scrapers (Probig), dosing pumps, diffusers, aerators.</p>
<p>BEO TEHNOLOGY d.o.o. Rudnička 9B, 11250 Beograd, Srbija Tel: +381 11 2589 568 Fax: +381 11 2589 569 E-mail: office@beotehnology.com Web: www.beotehnology.com</p>	<p>Company for the sale and service od special recording, cleaning and maintenance of the pipeline, sewage, industry .Special equipment includes TV inspection of pipelines, high pressure cleaners, vacuum cleaners and maintenance of hand tools.A decade of experience in sales, maintenance and service equipment, mobile filed service. Representative office and service: RICO GmbH, Germany Cappellotto Spa , Italy Rotenberger Group , Germany Hammelmann GmbH, Germany</p>

<p>BeoGeoAqua d.o.o. Bulevar Zorana Đinđića 117/IV, 11070 Beograd, Srbija Tel: +381 11 4085 721 Fax: +381 11 3986 231 E-mail: info@bga.rs bga@beogeo.com; Web: www.beogeo.com</p>	<p>“BeoGeoAqua” is company for specialized services in hydrogeology and hydrotechnics. The most important activities are related to generation, maintenance and regeneration of wells. Furthermore, we make projects, analyses and studies, perform supervision and management for complete process of well construction. We also offer different and quality equipment for all hydrotechnical objects.</p>
<p>CWG BALKAN d.o.o. Augusta Cesarca 35, 11000 Beograd, Srbija Tel: +381 11 3946 187 Fax: +381 11 3946 207 E-mail: office@cwg.rs Web: www.cwg.rs</p>	<p>CWG Balkan d.o.o. is reputable distributor of water treatment systems, components and chemicals. We coordinate world wide recognised manufacturers of water treatment equipment in order to offer you full service including engineering, components, chemicals, units and water treatment plants, installation and technical support according to your specific demands. Our experience and equipment provide realibility, short-term delivery terms and compatible prices.</p>
<p>DANFOSS d.o.o. Đorđa Stanojevića 14, 11000 Beograd, Srbija Tel: +381 11 2098 571 Fax: +381 11 2098 551 E-mail: danfoss.rs@danfoss.com Web: www.drives.danfoss.rs</p>	<p>Danfoss has more than 75 years of experience within the field of energy efficiency. The annual production of Danfoss Drives saves as much energy year for year as is generated by an average-sized power plant. The positive effects in terms of cost savings and CO2 reductions reflect our commitment to sustainability, which begins at product design.</p>
<p>DELTA INŽENJERING d.o.o. Milutina Milankovića 7g, 11070 Novi Beograd, Srbija Tel: 381 11 7856-903; +381 11 7856-904 Fax: 381 11 3122 024 E-mail: a.t.sucevic@deltainzenjering.rs Web: www.deltainzenjering.rs</p>	<p>Delta Inženjering was founded 26 years ago and during that period has grown into a leader in the field of industrial engineering in the Republic of Serbia. Delta Inženjering’s area of activity is engineering, design, consulting and control activities. We have great deal of experience in design, management and construction of public facilities. In total there are 72 employees. Design sector is divided into three departments: construction-architectural, mechanical and electrical. All engineers in contracting sector have necessary licenses and certificates. Our longtime experience has been achieved on green field projects, which were followed by names like EPS, NIS, Henkel, Johnson Electric, Alumil, Messer, Železara Smederevo, Volvo, Alumil, Nestle, etc. Within the company has been formed a special unit which deals with the environment protection. This sector has developed a speciality -treatment and</p>

	<p>wastewater treatment. Some of the major Investors in the field of wastewater treatment in the entire complexes are NIS, FIAT, HOLCIM, Johnson Electric, etc. As the complexity of business grew so the need arose for forming of various companies within Delta Inženjering Group - Delta Inženjering, Alfa Mont, Delta Preving, PCE 2004, Đule Sistem.</p>
<p>DINOTEC SR Nebojšina 41, 11000 Beograd, Srbija Mob. +381 65 555 67 71 E-mail: dinotec@ikom.rs Web: www.dinotec.de</p>	<p>Dinotec GmbH is an international company engaged in purification of water and technology of water treatment. The headquarters is located in Germany (Frankfurt), the company was founded in 1976. With its rich experience, today dinotec is a world's leader in measuring, control and electrolysis technique. Products are on market recognized as top quality and with constant innovation in the field of the tretman drinking and swimming pool water</p>
<p>ENERGOPROJEKT – HIDROINŽENJERING a.d Bulevar Mihaila Pupina 12, 11070 Novi Beograd, Srbija Tel: +381 11 310 1150; +381 11 2142 108 Fax: +381 11 311 1979 E-mail: markdir@ephydro.com info@ephydro.com Web: www.energoprojekt.rs www.ephydro.com</p>	<p>Energoprojekt-Hidroinženjering p.l.c. is a member of the ENERGOPROJEKT Group, specialized for investigation works, designing, supervision, consulting and engineering of the hydropower systems, water-management and infrastructure facilities and systems. He has earned the highest recognition as the company which designed of the dams and hydropower plants, in the areas of land reclamation, irrigation and drainage, water supply, collection and disposal of waste water, water treatment plants, waste water treatment plants, environmental protection, GIS, roads infrastructures etc., in about seventy countries around the world.</p>
<p>EVOLVA d.o.o. Nikole Pašića 75, 31210 Požega, Srbija Tel: +381 31 825 050 Fax: +381 31 811 109 E-mail: office@evolva.co.rs Web: www.evolva.co.rs</p>	<p>Evolva Požega is a wholesale company, specialized in waterworks and sewage systems. We're representing several well-known European producers: VAG Armaturen, Georg Fischer, Zagozen, MZT. Apart of being able to fulfill daily-business request, we are also capable of handling large scale projects of main water distribution pipelines, water treatment plants, dams, hydropower plants and similar objects.</p>

<p>GEA CEE GmbH, Branch office Serbia Konstantina Jovanovića 10 , 11080 Zemun, Srbija Tel: +381 11 4053 618 Fax: +381 11 4053 722 E-mail: office.wsserbia@gea.com Web: www.westfalia-separator.com www.gea.com</p>	<p>GEA Westfalia Separator Group GmbH, Oelde, F.R. Germany isaffiliated to the GEA Group. The Company is leader in centrifugal technology. GEA Westfalia Separator develops procedures and processes for the mechanical clarification and separation of liquids for the food industry, chemicals, pharmaceuticals, biotechnology, energy, shipping and environmental technology.</p>
<p>GRUNDFOS SRBIJA d.o.o. Omladinskih brigada 90a, 11000 Beograd, Srbija Tel: +381 11 2258 740 Fax: +381 11 2281 769 E-mail: serbia@grundfos.com Web: www.grundfos.rs</p>	<p>With an annual production of more than 16mil pumps, Grundfos is one of the world’s leading pump manufacturers. Grundfos supplies a broad range of equipment and solutions designed specifically for water utility applications. Our range of efficient and reliable pump solutions is continuously extended. Comprehensive know how and intensive research and product development allow us to develop new trendsetting products which meet the increasing demand for better energy efficiency and reduced environmental impact.</p>
<p>HENNLICH d.o.o. Radomira Markovića 1/3, 11222 Beograd, Srbija Tel: +381 11 6309 817 Fax: +381 11 6309 820 E-mail: office@hennlich.rs Web: www.hennlich.rs</p>	<p>HENNLICH group successfully operates in over 20 European countries, in Serbia since 2006. The main activity is dealership and production of industrial products, also engineering of complete systems. Hennlich represents a large number of reputable European producers. Among other products we are offering wide range of pumps and dosing systems, for water supply, water treatment and transport of different kind of liquids and chemicals, nozzles program and equipment for filtration and separation.</p>

<p>HIDROSANITAS d.o.o. Preduzeće za tretman voda. Bulevar Despota Stefana 68-b, 11000 Beograd, Srbija Tel: +381 11 2765 777 Fax: +381 11 2764 161 E-mail: hidrosanitas@sezampro.rs Web: www.hidrosanitas.rs</p>	<p>The company “Hidrosanitas” was established in 25th January 1967. by the Association of Water Technology in Yugoslavia. Since then our company executed large number of designs and installations successfully, making our company a leader in water treatment in the former Yugoslavia. Whole range of drinking water facilities was executed, from disinfection of small wells and springs through to complete water treatment plants, mainly under the license of “Degremont”.</p>
<p>HOBAS Rohre GmbH – Predstavništvo u Republici Srbiji Miodraga Petrovića Čkalje 10, 11050 Beograd, Srbija Tel: +381 63 8486 056 Fax: +381 11 2830 978 E-mail: jelena.milosevic@hobas.com Web: www.hobas.com</p>	<p>Hobas is a successful international organization and the leading supplier , high-performance HOBAS CC-GRP (centrifugally cast glass fiber reinforced plastics) Pipes Systems and supplies advanced production technology and management know-how to a steadily growing customer base. At present,HOBAS CC-GRP Pipe Systems are produced in 16 locations all overthe globe. The worldwide Hobas Network includes HOBAS Group owned production facilities and sales organizations in Europe and America, and Joint Venture and License Partners all over the globe. HOBAS can provide individual solutions for a wide range of applications such as: potable water, raw water irrigation, drainage, hydro power, thermal power cooling,Industry applications The HOBAS CC-GRP Pipe Systems distinguish themselves by a number of highly advantageous product qualities: leak tightness, high level of corrosion resistance, abrasion resistance, extreme smoothness of the inner and outer layer, light weight, ease of handling, transport and laying, long operational lifetime.</p>
<p>HUOT predstavništvo Beograd Nebojšina 12, 11000 Beograd, Srbija Tel: +381 65 33 688 99 E-mail: v.vasiljevic@huot-sa.com Web: www.huot.rs</p>	<p>Manufacturer HUOT is a part of industrial group SAS situated in France: http://www.huot-sa.com/en/huot-chiffres-cles with over a century (1901.) of experience in drinking water supply systems (1.000.000 fittings sold per year) bringing 100% of french „know-how“ („savoir-faire“) at competitive prices in more than 40 countries in the world.</p>

<p>HYDROSOL Group d.o.o. Jovana Miodragovića 28c, 11080 Beograd, Srbija Tel: +381 11.2671 860 Fax: +381 11 2671 860 E-mail: office@hsg.rs Web: www.hsg.rs</p>	<p>During past three years HSG was successful in representing international companies, designing hydro-technical installations and providing technical support in all phases of projects: KRAH - Sewerage pipes DN300-4000 with electro-fusion merging MEA - line drainage systems for rainwater KESSEL – Grease and oil separators, drains, backwater valves, pumps</p>
<p>ICCE d.o.o. Beograd Oblakovska 21, 11000 Beograd, Srbija Tel: +381 11 3691 690 Fax: +381 11 3691 777 E-mail: office@icce.rs Web: www.icce.rs</p>	<p>ICCE is a company specialized in delivery of electrical equipment and automation systems. We provide design, panel building, PLC and SCADA software development, installation and commissioning. In Water and Wastewater industry we offer single source solutions under our complete control for water supply, drinking water and wastewater treatment and reprocessing.</p>
<p>INDAS d.o.o. Heroja Pinkija 95, 21000 Novi Sad, Srbija Tel: +381 21 480 4800 Fax: +381 21 480 4808 E-mail: office@indas.rs Web: www.indas.rs www.indasengineering.com</p>	<p>Engineering in the field of industrial automation, especially water / waste water. Measurement, regulation, control, data transmission and remote monitoring / control in water systems. More than 20 years of experience in different applications in water / waste water systems: from simple measurement, pump stations, wells, water sources, SCADA systems, up to control systems for whole water / waste water plants.</p>
<p>INSA a.d. INDUSTRIJA SATOVA Tršćanska 21, 11070 Zemun, Srbija Tel: +381 11 3713 600 Fax: +381 11 2614 330 E-mail: jasmina.bozic@insa.rs Web: www.insa.rs</p>	<p>Insa was founded in the year 1950 as a clock producing factory, which since then has become a major producer of clocks and watch mechanisms, as well as a producer of water meters, remote readout water meters, gas meters and many other products in the field of measurement technology and mechanics. Web site: www.insa.rs</p>
<p>INOVA d.o.o. Vuka Vrčevića 3, 11000 Beograd, Srbija Tel: +381 11 3292 805 Fax: +381 11 3292 805 E-mail: inovadoo@gmail.com Web: www.inova.rs</p>	<p>Inova d.o.o. was established in 1990. Manufacture of control equipment – regulating for pressure, flow, level, etc. We manufacture remote on/off control valves. Equipment used mostly in water supply and remote heating. Quality products, the possibility of consultation in the choice of regulating valves and service, has enabled us dominant position in territory of Serbia and neighboring countries.</p>
<p>IKOM MERILA d.o.o.</p>	<p>IKOM d.o.o. - Industry for production of</p>

<p>Aleksinačkih rudara 16/33, 11070 Beograd, Srbija Tel: +381 11 6691 573 Fax: +381 11 6691 573 E-mail: goran.cakic@ikom-mjerila.com Web: www.ikom-mjerila.hr</p>	<p>communal utility equipment & measuring devices, has been operating successfully for 67 years now, and is the only manufacturer of water meters in the Balkan region that possesses the European MID licence for standard, as well as being a representative of worldwide brand ELSTER (now HONEYWELL). We have more than 70 employees, and possess certified devices for calibration and maintenance of water meters.</p>
<p>KSB pompe i armature d.o.o. Milana Rešetara 2d, 11080 Beograd, Srbija Tel: +381 11 3143 196, +381 11 3143 197 E-mail: predrag.corac@ksb.com Web: www.ksb.com</p>	<p>KSB Group is one of the leading producers of pumps, valves and related systems. Annual sales revenue is 2000 million euro. More than 15.600 employees around the world work for maximum customer satisfaction in water utilities, industry, energy and mining sector and building services. KSB is increasingly a service partner and provides complete hydraulic systems for water supply and drainage.</p>
<p>MICROFILL d.o.o. Mišarska 4 , 34300 Arandjelovac, Srbija Tel: +381 34 701 140 Fax: +381 34 701 140 E-mail: microfill@open.telekom.rs Web: www.microfill.co.rs</p>	<p>Distribution of equipment for plastic pipes, fittings and other products welding from following european producers: ITS Tecnodue Italy – butt welding machines CTF Sauron France – electrofusion units Wegener Germany - hot air fans</p>
<p>MIMA KOMERC d.o.o. Autoput za Novi Sad 67, 11080 Beograd, Srbija Tel: +381 11 3750 404 Fax: +381 11 3750 405 E-mail: office@mimakomerc.com Web: www.mimakomerc.com</p>	<p>Mima Komerc is a family company with its headquarters in Belgrade, Serbia. We specialize in the wholesale of materials necessary for outdoor and indoor plumbing, sewage networks and heating. The company was founded in 1992 and it has been improving its business operations by broadening the range of products it offers and by attracting customers on both local and regional market ever since. We have been improving business operations by the consistent application of our quality management system according to ISO 9001 and by increasing efficiency and effectiveness.</p>
<p>MERIS d.o.o. Narodnih heroja 42, 11070 Beograd, Srbija Tel: +381 11 314 88 00 Fax: +381 11 314 88 11 E-mail: meris@meris.rs Web: www.meris.net</p>	<p>Company MERIS d.o.o. is distributor of foreign companies: - Endress+Hauser - world leader in the production of industrial process measuring equipment - Xylem – FLYGT - world leader in domain submersible pumps and equipment - Lutz – Jesco - chlorinating, dosing pumps and dosing technique - VAG - highest quality valves and fittings for</p>

	<p>waste water, pure water - BioKube - Biological waste water treatment</p>
<p>MINAL d.o.o. Kedrova 8, 11030 Beograd, Srbija Tel: +381 11 6500 390 Fax: +381 11 6392 588 E-mail: info@minal.rs Web: www.minal.rs</p>	<p>MINAL d.o.o. is an authorized representative and service for devices and equipment of Sewerin company, Germany, for the territory of Serbia.</p> <p>Hermann Sewerin GmbH company from Gütersloh, Germany, has eighty years of tradition in manufacturing devices for probing leaks and locating faulty spots on water and gas pipelines. Long established experience and cutting edge technology place Sewerin company among the top notch producers of equipment for control of water and gas pipelines. For the whole line of Sewerin products we have a developed maintenance and repair service, with all needed spare parts in stock.</p>
<p>MIKRO KONTROL d.o.o. Vase Pelagića 30, 11000 Beograd, Srbija Tel: +381 11 3699 080 Fax: +381 11 3699 939 E-mail: office@mikrokontrol.rs Web: www.mikrokontrol.rs</p>	<p>Mikro Kontrol is a System Integrator in Industrial Automation. We have realized over 200 references in the field of water treatment, waste water, power and energy efficiency. We provide our clients with “turnkey” solutions based on PLC, HMI, SCADA, DCS SYSTEMS and DRIVES. We know all aspects of control systems, engineering, design, implementation, commissioning, support and maintenance.</p>
<p>MILANOVIĆ INŽENJERING d.o.o. Sobovica bb, 34321 Cerovac-Kragujevac, Srbija Tel: +381 34 6792 660 Fax: +381 34 6792 095 E-mail: info@tretman-voda.rs Web: www.tretman-voda.rs Predstavništvo Beograd: Mokroluška Nova 1A, 11010 Beograd, Srbija Tel/Fax: +381 11 3477 575</p>	<p>The company Milanovic Engineering LLC was founded in 2000 with establishing its headquarters in Kragujevac. In the domain of water treatment we carry out the following operation: Design water treatment systems in order to get drinking and diverse industrial waters; Waste water treatment; Sale, installation and service of ProMinent dosing systems; Industrial program includes equipment and fittings for water applications (PE, PVC and ductile iron materials) – sales program. By implementing most innovative technologies in this domain, we design and mount systems and facilities for the preparation of drinking water, as well as industrial waters</p>

	of different capacities and degrees of purification on turnkey basis.
<p>MITSUBISHI ELECTRIC EUROPE B.V. (Sp. z o.o.) Polish Branch Aleksandar Stanković Country Team Leader – Serbia M: +38163687500 Aleksandar.stankovic@mpl.mee.com Krakowska 50, 32083 Balice, Poland Phone: +48 123476500 Fax: +48 126304701 E-mail: info@mpl.mee.com Web:pl3a.mitsubishielectric.com</p>	<p>With 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in industrial automation, manufacturing, marketing and sales of electrical and electronic equipment. Mitsubishi Electric devices are successfully used in industries such as, food and beverages, automotive, consumer electronics, industrial technology, chemical and plastics, energy, water management, transport and building equipment. The name Mitsubishi Electric is synonymous with innovative, high-quality products – in factory automation as in other sectors. Programmable PLC, drive solutions, industrial robots, touch panels, laser processing machines and CNC controllers, from Mitsubishi Electric are widely hailed as leaders in their fields and have been helping to drive business success throughout Europe for over 30 years.</p>
<p>PEŠTAN d.o.o. 1300 Kaplara 189, 34301 Bukovik – Arandelovac, Srbija Tel: +381 34 700 300 Fax: +381 34 6742 180 E-mail: info@pestan.net Web: www.pestan.net</p>	<p>The private company “PEŠTAN” Ltd. is a regional leader in the production of plastic pipes and fittings for water, sewage and gas. Constant investment in a reputable brand that already has a regional and even global potential, contributes to the achievement of additional value and ambitious business plans. Due to reliability, quality, good supply potential and competitive price, we have thousands of long term customers across the country and the region. Indeed we are exceeding the expectations of our customers !</p>
<p>PFEIFFER d.o.o. Kumodraška 241 b, 11000 Beograd, Srbija Tel: +381 11 3988 130; +381 11 3982 667; +381 11 3982 752 E-mail: office@pfeiffer.rs Web: www.ludwigpfeiffer.com</p>	<p>Underground pipeline and drainage construction with all rated sizes, pressure stages and materials, trenchless refurbishment of pipeline and sewer systems, building water treatment plants and pipe line structures, rehabilitation of sewage and pipeline systems, trade in pipes, mechanical parts, fittings and other accessories, microtunneling.</p>
<p>PIPELIFE Serbia d.o.o.</p>	<p>Pipelife is one of the leading European</p>

<p>Maksima Gorkog 75, 11000 Beograd, Srbija Tel: +381 11 4076 008 Fax: +381 11 4076 008 E-mail: office.serbia@pipelife.com Web: www.pipelife.rs</p>	<p>companies involved in the production of plastic piping systems with headquarters in Vienna-Austria. Founded in 1989, owned by Austrian Weiner-berger. We are present with sales and production capacities in 25 European countries and in US as well, with 2704 employs and net sales of 872 mil. Euros. We produce and offer to the market quality piping systems for various use: water supply, sewage, storm water management, drainage, heating, cooling, gas distribution. Our moto is „Pipes for life“.</p>
<p>POLIETILENSKI SISTEMI d.o.o. Bulevar Oslobođenja 40, 21000 Novi Sad, Srbija Tel: +381 21 500 576; +381 63 589 957 Fax: +381 21 500 576 E-mail: office@pe-sistemi.rs Web: www.pe-sistemi.rs</p>	<p>LLC POLIETILENSKI SISTEMI is general representative of Georg Fischer Piping Systems for Republic of Serbia. We are able to offer You wide range of products in waterworks, irrigation, water treatment... Our team of experts is being at Your service, not just simple for sale, but also for providing assistance in order to find best possible solutions.</p>
<p>PURATOR EKOTEHNIKA d.o.o. Kružni put 16A, 11309 Beograd - Leštane, Srbija Tel: +381 11 8030 826; 8031 053 Fax: +381 11 8030 826; 8031 053 E-mail: office@purator.rs Web: www.purator.rs</p>	<p>PURATOR is the full range supplier of products and system solutions for drainage, sewage treatment and waste water handling in Central & Eastern Europe. We deliver complete solutions for water from the source to the sea.</p>
<p>ProMinent predstavništvo Beograd Mokroluška nova 1 b, 11000 Beograd, Srbija Mob: +381 62 855 1 855 E-mail: s.milovic@prominent.co.rs Web: www.prominent.co.rs</p>	<p>Chemical Fluid Handling: solenoid-driven metering pumps, motor- driven metering pumps, process metering pumps, dosing systems, tank and transfer pumps, storage and dosing tanks, panel-mounted measuring/control stations, measuring and control technology, sensor technology. Water Treatment Systems: UV systems, ozone plants, chlorine dioxide plants, electrolysis plants, membrane technology, gravity filter</p>
<p>SADE Serbia - ogranak stranog privrednog društva Makedonska 30, 11000 Beograd, Srbija Tel: +381 11 303 54 27 Fax: +381 11 303 54 37 E-mail: office@sade.rs Web: www.sade.rs</p>	<p>SADE (part of Veolia Environnement Group) operates in the construction industry, water supply and sewerage networks construction, gas lines, reservoirs, pumping stations, water and wastewater treatment plants, as well as in the field of energy and telecommunications, for the clients in both public and private sector. SADE offers design, construction, rehabilitation and maintenance of networks.</p>

<p>SANIVOD d.o.o. Ul. Sutjeska VIII 33, 11000 Beograd, Srbija Tel: +381 11 3317 845 Fax: +381 11 3317 327 E-mail: office@sanivod.rs Web: www.sanivod.rs</p>	<p>Sanivod LTD Company offers high quality products for internal and external plumbing and sewage system. A complete stock of sanitary equipment, fittings, chutes, grates, pipes made of ductile cast, polyethylene and polypropylene is available in its covered area occupying 400m² and open space 5000m². SANIVOD LTD is distributor of foundry „RADIJATOR“ from Zrenjanin and exclusive representative and distributor of company “SAMSUN MAKINA SANAYI” from Turkey and distributor of Viking Johnson and Frialen. Our products have all necessary documents from IMS Institute, Belgrade. SANIVOD LTD can arrange the transportation of goods.</p>
<p>SIGMA d.o.o. Maršala Tita 248b, 25230 Kula, Srbija Tel: +381 25 731 805 Fax: +381 25 731 972 E-mail: sigmaso@eunet.rs, office@sigmakula.co.rs, office@hlorogen.com Web: www.sigmakula.co.rs, www.hlorogen.com</p>	<p>Sigma Ltd offers a complete and quality solution for drinking water disinfection. The main activities are production of HLOOROGEN® plants for on site sodium hypochlorite production and OksiHLOOROGEN® plants for on site MIXED DISINFECTANT production, such as automatic dosing systems. Sigma is also engaged in engineering and installation of systems for automatic disinfection of drinking water. Remote monitoring and control, maintenance and servicing, and user training complete our offer.</p>
<p>SCHIEBEL Aktuatori d.o.o. Kneginje Milice 119, 35000 Jagodina, Srbija Tel: +381 35 8820 915 Fax: +381 35 8100 169 E-mail: g.dzelatovic@schiebel.com Web: www.schiebel-global.com</p>	<p>The SCHIEBEL company has been developing and producing actuators for almost 50 years. SCHIEBEL’s range of products includes rotary actuators, 90° quarter- turn actuators, linear actuators, semi-rotary actuators, failsafe actuators and the SMARTCON control. In Serbia, SCHIEBEL Aktuatori started at April 2014 directed to Serbia, Macedonia, Montenegro and Bosnia and Hercegovina.</p>
<p>SAINT GOBAIN PAM Bul. Mihajla Pupina 115 D, 11070 Beograd, Srbija Tel: +381 11 3149 685 Fax: +381 11 3149 685 E-mail: igor.solovjev@saint-gobain.com Web: www.pamline.fr</p>	<p>World leader in complete ductile cast iron pipeline systems, SAINT-GOBAIN PAM designs, produces and sells a complete range of solutions dedicated to the transport of water and sewer. Throughout the world, we meet the requirements of our customers with the depth of our expertise based on the alliance between tradition and modernity, the technical and logistics quality of our products and services driven by our determination to innovate.</p>

<p>SUEZ Beogradska 27, 11000 Beograd, Srbija Tel: +381 63 556 419 Fax: +381 11 3234730 E-mail: marko.milacic@suez.com Web: www.suez-environnement.com</p>	<p>SUEZ is world leading company in the area of environment. Core business are Water, recycling and recovery, treatment solution and consulting. Company is present at 70 countries all over the world and has 80000 employees</p>
<p>SCHNEIDER ELECTRIC SRBIJA d.o.o. Vladimira Popovića 38-40, 11070 Novi Beograd, Srbija Centar za podršku klijentima za Srbiju: Tel: +381 11 785 05 55 za Crnu Goru: Tel: +381 11 785 05 60 Fax: +381 11 3121 222 E-mail: podrska.klijetima@schneider-electric.com Web: www.schneider-electric.com</p>	<p>Schneider Electric is the global specialist in energy management and automation. With revenues of €26,6 billion in FY2015, our 160,000 employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable.</p>
<p>SIEMENS d.o.o. Beograd Radoja Dakića 7, 11080 Beograd - Zemun, Srbija Tel: +381 11 2096 096 Fax: +381 11 2096 238 E-mail: industrija.rs@siemens.com Web: www.siemens.rs</p>	<p>Siemens d.o.o. Beograd with more than two decades of successful business operations and tradition longer than one century represents an important factor of development in all stages of Serbian industrial progress. Siemens Divisions Digital Factory and Process Our solutions for process involving the treatment of drinking water and wastewater, provides the optimum path for meeting both economic and environmental demands from our customers.</p>
<p>SWIFT CONTROL d.o.o. Kumodraška 396/7, 11000 Beogard, Srbija Tel: +381 11 397 82 99 +381 64 199 50 90 Fax: +381 11 397 82 99 E-mail: swift@swift.rs Web: www.swift.rs</p>	<p>Swift Control d.o.o. offers solutions for industrial automation. We are offering wide range of measuring instrumentation for all kind of industries. Important part of our offer are solutions for remote supervision and process alarming via SCADA and control systems. As service, we provide flow measurement of liquids, analysis of losses in water supply systems, gas concentration and thermovision measurement.</p>
<p>TEHNIKA K.B. d.o.o. Surčinska 9N, 11070 Beograd, Srbija Tel: +381 11 3187 780 Fax: +381 11 2159 081 E-mail: komercijala@tehnikakb.com Web: www.tehnikakb.com</p>	<p>TEHNIKA KB offers components, complete systems and technical solutions in the field of water treatment and wastewater treatment. We provide engineering, design, manufacturing, assembly and service. We represent the world known companies: Praher Plastics, Hidrofilt, Sample (Lanxess), Atlas Filters. For 20 years the quality of our work has enabled us a large number of projects</p>

<p>TwinOxide RS d.o.o. Birčaninova 37/2, 11000 Beograd, Srbija Tel: +381 11 264 33 78 E-mail: twinoxide.srbija@gmail.com Web: www.twinoxide.co.rs</p>	<p>in Serbia and countries in the region.</p> <p>Two-component powder product, whose mixing-dissolving in a determined amount of water generates a 0.3% solution of chlorine dioxide (disinfectant, biocide, viricide, algaecide). Advantages in the application: eliminates pathogens resistant to chlorine; expresses bactericidal effect at the time of contact of 1-10 minutes, and retains residual disinfection activity for up to 72 hours; acts effectively in the range pH 4-10; thermally stable solution (0.3%) at temperatures >45 °C; preparation of the solution on-site; safe for transport and storage, simple and easy to apply, minimum investment. Application of chlorine dioxide is allowed for the systematic disinfection of drinking water, according to the Article 4. of the Rules of disinfection and inspection of drinking water and according to the V list of Regulations for hygienic quality of drinking water.</p>
<p>TIPTEH d.o.o. Beograd Toplice Milana 14A, 11000 Beograd, Srbija Tel: +381 11 2892 250 Fax: +381 11 2892 250 E-mail: prodaja@tipteh.rs Web: www.tipteh.rs</p>	<p>Tipteh is dealing with industrial automation. We offer complete solutions for production automation as well as equipment from well known producers:</p> <ul style="list-style-type: none"> - V/f drives - PLC controllers - Sensors for level and pressure - Sensors for flow control and measurement <p>Our principals are: Yaskawa, Unitronics, BF Sensors, Hans Turck....</p>
<p>UNIPROGRES d.o.o. Vladimira Nazora bb, 22400 Ruma, Srbija Tel: +381 22 474 265 Fax: +381 22 473 019 E-mail: unipro@neobee.net Web: www.uniprogres.rs</p>	<p>Uniprogres is company it has been dealing with turnover and selling of plumbing and sewerage system elements with special accent on taking part in the complete process of investment and maintenance of existing pipe systems and installments, because we have everything necessary for that process.</p>
<p>VALMAN d.o.o. za proizvodnju i usluge Gospodara Vučića 35, 11000 Beograd, Srbija Tel: +381 11 7446 094 Fax: +381 11 7446 684 E-mail: info@valman.rs Web: www.valman.rs</p>	<p>Valman doo Belgrade is manufacturer of waterworks armature and general distributor of Hawle, Germany. Within the product range, we produce service valves, aboveground, underground and tunnel hydrants, drilling saddles for DCI, AZ and PE / PVC pipes, air valves, flange adapters, universal sockets, MDK dismantling pieces and other fittings.</p>

<p>VEOLIA WATER SOLUTIONS & TECHNOLOGIES d.o.o. Makedonska 30, 11000 Beograd, Srbija Tel: +381 11 303 54 27 Fax: +381 11 303 54 37 E-mail: office.beograd@veoliawater.com Web: www.veoliawater.com</p>	<p>Veolia Water Solutions & Technologies offers up-to-date solutions for water supply and wastewater treatment and it is a synonym for numerous technologies in the field of water resources preservation, water quality improvement, wastewater management. For both public and industrial clients, the company offers solutions for high quality water supply, wastewater treatment, design and construction of plants.</p>
<p>VITREKS Niš Ljubomira Nikolića 12, 18000 Niš, Srbija Tel: +381 18 228 551 Fax: +381 18 237 142 E-mail: vitreks@gmail.com</p>	<p>Years of experience in clamps production, inventions follow up, and openness towards buyers suggestions led to the fact that „Atlantic“ clamps line is one of the fastest and most reliable solutions for solving problems that water supply companies may have. Our consumers are mostly public utilities dealing with the water supply and we have cooperation with 60 domestic and 40 foreign waterworks. Apart from Serbian market, we are also present in Slovenia, Macedonia, Bosnia and Herzegovina and Montenegro</p>
<p>WIG d.o.o. Puškinova 1c, 11040 Beograd, Srbija Tel: +381 11 3953 000 Fax: +381 11 3953 098 E-mail: info@wig.rs Web site: www.wig.rs</p>	<p>Since 1993 WIG has been providing solutions for process control systems by applying the multidisciplinary engineering approach. Together with our principals and partners we have been providing high quality support to our customers in choosing the instrumentation, applications and solutions for potable water and municipal wastewater, and effluent industrial wastewater.</p>
<p>WILO BEOGRAD d.o.o. Tetovska 72, 11000 Beograd, Srbija Tel: +381 11 2853 258 Fax: +381 11 2853 259 E-mail: office@wilo.rs Web: www.wilo.rs</p>	<p>WILO SE, company from Dortmund Germany has more than 140 years long tradition, and since the foundation its core business is production of pumps and pump systems. Today, Wilo SE is one of the market leaders, and sets standards in pumps and pump systems technology.</p>

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http://www.rdvode.gov.rs/?menu_id=19

<http://www.sajamvoda.rs/>

<http://www.sepa.gov.rs/>

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