

## TECHNOLOGY FOR RECOVERING PRODUCTIVITY OF WATER SUPPLY WELLS



Debit recovery of water supply well No. 3754 located in Bucha



Debit recovery of water supply well No. 3754 located in Irpin

### Areas of Application

The technology is to be used for recovering industrial water supply wells up to 200 m depth, the debit of which has decreased as a result of long-term use

### Specification

The technology is based on initiating the detonation of propane-oxygen mix in gas generator. The gas generator is dipped in water supply well at the level of filter. This leads to generating a regulated pressure pulse (40–500 atm) and a prolonged phase of attenuation after the front of blast pressure wave that cleans the well filter from contamination



Gas generator

### Advantages

As compared with other technologies, this one enables a wider adjustment of pressure pulse amplitude and a protracted phase of attenuation, which affect the well filter. Using this technology for industrial water supply wells makes it possible to recover their debit up to the initial level

### Stage of Development. Suggestions for Commercialization

IRL7, TRL6  
The works on recovering the productivity of water supply wells are performed upon request

### IPR ProtectionI

IPR2

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