

SOLUTION MINING RESEARCH INSTITUTE

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**Meeting
Paper**



METHODS INTENSIFYING THE PROCESS OF UNDERGROUND DISSOLVING OF SALTS

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METHODS INTENSIFYING THE PROCESS OF UNDERGROUND DISSOLVING OF SALTS

Some of the new methods of underground salt dissolving through boreholes providing for intensification of the process in underground dissolving chambers have been recently developed, realized in design and applied at a number of salt-works in the USSR. According to their applicability, these methods may be divided into 2 groups:

- universal methods applicable to mining any types of mineral salts through boreholes;
- methods applicable to mining potash salts deposits.

In reference to the ways of influence on the technological process of dissolving in underground chambers, the intensification methods can be also divided into 2 groups:

- methods applying mining techniques of intensifying brine production (inducing roof caving, hydraulic rupture of the seam etc.);
- methods applying physico-chemical techniques intensifying brine production (agent additions, making use of new types of working substances etc.).