

**Approval of the old regulations of the hydropower plant “Brunner” in Falkenau (authorisation request acc. to § 91 of Saxon Water Law)**

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<b>Objective:</b>	Approval of the existing old regulations for restart of the hydropower plant „Brunner“ in Falkenau	
<b>Location:</b>	Saxony	
<b>Client:</b>	Firm Brunner,	
<b>Beneficiary:</b>	Firm Brunner	
<b>Year:</b>	2004	

**Initial situation:**

The hydropower plant “Brunner” in Falkenau has been not operated since 1955 and now it will be put into operation again. For this purpose there have been carried out ecological, hydrological and hydro-chemical investigations as well as risk assessment. Regarding the ecological assumptions, several deficits were noted (average water surface elevations, handicap of ecological flow through the various transverse structures). Because of changes in the river bed as a result of the flood in 2002 there were implemented a complete change measures of water structure quality.



**Services provided:**

- Derivation of ecological models
- Involvement of FFH-habitat types mapping of Saxon State Office for Environment and Geology (LfUG)
- FFH-risk assessment
- Consideration of the analysis results of priority materials according to the WFD
- Derivation of the recommendation values for the ecological minimum water calculations
- Derivation of the measures for securing of ecological flow
- Approval management