

# Emergency Response Power plants Banja and Moglicë (summary)

**Life, health and the environment are Statkraft's highest priorities in the event of an emergency. We manage risk related to our activities and are prepared to handle emergencies.**

In line with Albanian legal requirements, as well as in compliance with Statkraft's internal regulations, Devoll Hydropower Sh.A. (DHP) has prepared Emergency Response Plans for both plants in the Devoll river cascade, Banja HPP and Moglicë HPP, implemented in the frame of a BOOT Concession, based on the Law 10083, dated 23.02.2009, amended. The Emergency Response Plan is prepared through local and international expertise and aligned with applicable international standards.

Technical and detailed information on the 4 main assessed scenarios for both plants is provided under the full set of documents, with associated action plans to be followed in case of potential emergencies that may happen in the operation and management of Banja HPP and Moglicë HPP.

The plans incorporate flooding maps for scenarios as below:

- 1. 500 m<sup>3</sup>/s outflow from Banja reservoir scenario**  
Water discharges from Banja reservoir starting at 500 m<sup>3</sup>/s.
- 2. 1000-year flood scenario at Moglicë and Banja**  
This scenario treats the emergency response on an estimated 1000-year flood with estimated discharges at 900 m<sup>3</sup>/s at Moglicë, through controlled discharges from the production and the spillways.
- 3. Dam breach scenario at Moglicë dam**  
In this scenario a potential cascade failure might occur with potential floods downstream and potential breach at Banja dam. This scenario considers a situation with full release from Moglicë reservoir (emergency drawdown of reservoir).
- 4. Dam breach scenario at Banja dam**  
In this scenario a potential dam failure might occur with potential floods downstream and potential breach at Banja dam. Emergency Release from Banja dam. This scenario considers a situation with full release from Banja reservoir (emergency drawdown of reservoir).

The plans and maps are prepared in a scale of 1: 25000 and have been distributed to all responsible authorities.

The emergency preparedness action plans have been coordinated with the Albanian authorities through:

- Assigned roles and responsibilities as per the Albanian laws and Devoll Hydropower Sh.A. / Statkraft procedures
- Joint emergency notification plan (inclusion of local authorities in the alarm notification chart)
- Coordination with the National Agency on Civil Protection
- Scheduling of regular emergency drills with the respective Albanian authorities

## 1. Purpose of the Emergency Response Plans

- Provide rapid and effective support and coordination with the emergency response entities for controlling emergency events and prevent, or limit undesired consequences
- Establish good management and efficient communications with internal stakeholders and local/national authorities
- Restore normal conditions quickly and safely

## 2. Our Emergency Preparedness

Emergency Response of Statkraft in Albania is organised in 3 Tiers with defined responsibilities. The structure is coordinated with sufficient flexibility to allow for optimal support from one tier to the other.



The management of potential emergency events in Banja HPP and Moglicë HPP is done in alignment with the prepared and regularly updated emergency response plans, describing:

- Emergency response organization and responsibilities at plants site (Tier 1), Tirana offices (Tier 1), in regional / national level (Tier 2) as well as support provision from home office organisation (Tier 3);
- Internal notification process and action plans;
- External notification process and action plans, as well as
- Relations to emergency response plans of contractors/subcontractors performing activities in areas of both plants.

## 3. Who is notified

The occurrence of trigger events requiring activation of emergency response team are detailed into the Emergency Response Plans. Notifications relating to emergencies for Banja HPP and Moglicë HPP are channelised under the DHP Control Room contact, mobile no: +355 68 80 55 810. The number is reachable 24/7.

In overall, the following line in command applies:

- Inspector / Monitoring Manager notifies the Plant Manager (or next-in-command, as per internal procedures)
- Plant Manager notifies the Dam Safety Engineer (or next-in-command, as per internal procedures)
- Plant Manager, supported by the Dam Safety Engineer activates ER team in Tier 1 and coordinates information flow with local authorities
- Plant Manager notifies Country Manager (or next-in-command, as per internal procedures)
- Country Manager activates ER team in Tier 2 and coordinates support as well as information flow with central authorities

## 4. Who declares an emergency

The Emergency Response Manager, or a designated deputy, is the responsible authority for the declaration of an emergency event.

## 5. Training and knowledge refreshment

Devoll Hydropower Sh.A. / Statkraft continues with regular trainings and drills for its employees, to ensure availability of necessary capabilities to respond to emergencies.

## 6. Applicable Albanian Requirements

- Law No. 8681, dated 02.11.2000 “*On the design, construction, use and maintenance of dams and dikes*”
- Law no. 45/2019, dated 18.07.2019 “*On civil protection*”
- DCM No.147, dated 18.03.2004 “*On the approval of the regulation on safety of dams and dikes*”