

# Croatia

## EPR Fact Sheet

### Decision making

National Protection and Rescue Department (NPRD) is coordinating authority in case of nuclear emergency, as well as other state-level emergencies. Heads or representatives of all ministries, departments and other organizations included in response compose Crisis HQ (situated at NPRD HQ) to ensure full coordination and make strategic decisions. If civilian response organizations are unable to handle the emergency (any emergency, including nuclear one), formal request is made to the Department of Defense (also present in Crisis HQ) to include military forces in response to the emergency.

Radiological emergencies are not considered state-level emergencies and are handled by the licensee and local authorities.

### Advice

SORNS provides expert advice to NPRD and Crisis HQ in case of nuclear emergency. In case of radiological emergency, SORNS provides expert advice to local authorities.

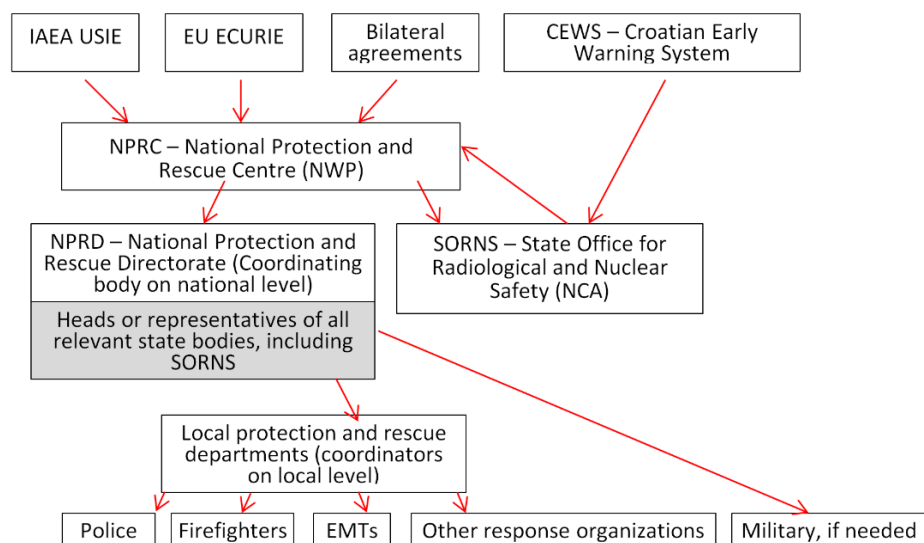
### Licensee

The licensee is responsible for informing SORNS of any incident, accident or emergency situation. Licensee is further responsible for mitigating the consequences and carrying out urgent protective measures within the facility. It is not expected that urgent protective actions would need to be taken outside of the facility for operators in Croatia.

### Alarming

The licensee is responsible to inform the public in the vicinity of the facility and the SORNS about any incident, accident or emergency situation. In case of nuclear emergency, NPRD is responsible for alarming the population.

### Organizational structure



### Country info

Capital	Zagreb
Official language	Croatian
Population	4 M
Area	56 000 km <sup>2</sup>
Currency	Kuna (HRK)
Time zone	UTC+1
Calling code	+385
Internet TLD	.hr
NPPs /ele. share	0/0%

### NWP\*

National Protection and Rescue Centre (112 service)

### NCA\*

State Office for Radiological and Nuclear Emergency.

### Emergency website

None

### Online measurements

[http://cms.dzrns.hr/aktivnosti/pripravnost/pravodobno\\_upozoravanje](http://cms.dzrns.hr/aktivnosti/pripravnost/pravodobno_upozoravanje)

### Bilateral agreements

Slovenia, Hungary

### RANET capabilities

None

\*National Warning Point and Competent Authority under the Emergency Conventions

## Nuclear facilities\* and services

Croatian EPR system covers emergencies in NPP Krsko in Slovenia (10.6 km from Croatian border), NPP Paks in Hungary (around 75 km from Croatian border) and around 40 licensees operating open radiation sources or dangerous sealed radiation sources, some of them mobile, as well as transport of radiation sources.

\*The IAEA emergency preparedness category 1 and other relevant facilities

## Emergency classification

For neighboring NPPs, Croatia has decided to abandon its own classification system and use systems of that NPP (based on IAEA system).

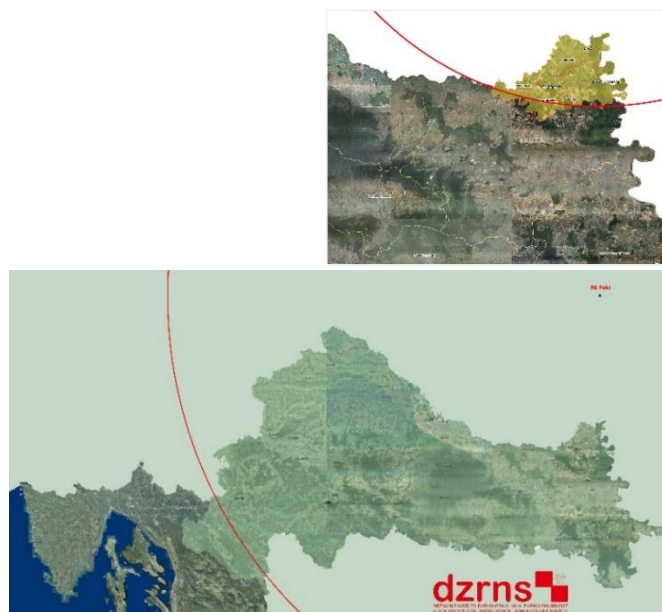
For facilities in Croatia two-step system is used:

- Class 0 – not time-sensitive (minor incidents or accidents contained or dealt with by the licensee)
- Class 1 – requires immediate response by SORNS

## Planning zones



The Krsko NPP emergency planning zones



The Paks NPP emergency planning zones

## Protection strategy

Protective Action	Generic criteria	Comments
Sheltering	10 mSv over 2 days	Total avertable effective dose, except the ingestion of contaminated food and drinking water
Evacuation	50 mSv over a week	
Temporary relocation (start)	30 mSv over a month	
Temporary relocation (end)	10 mSv over a month	
Permanent relocation	1 Sv over the lifetime	
ITB	100 mGy absorbed dose in thyroid	From Iodine