

Risk assessment of an IED installation with the IRAM web app

Aluminium factory

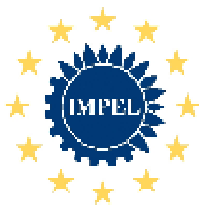
The “IMPEL-Aluminium Bosnia” Company is producing aluminium from ore, concentrates or secondary raw materials by metallurgical and electrolytic processes. The installations operated by this company fall under Annex 1 of IED (2.5.a & b). Because the electrolytic processes are intensive electrical consumers the company decided to build up a coal power plant with total rated thermal input of 300 MW for which an environmental impact assessment is necessary.

The emission to air and water are so high that abatement technologies are necessary to reduce the impact on environment and human health. The company is using dangerous substances in its activities, but the quantities of dangerous substances on site are below Seveso thresholds, and it is producing yearly 9,000 t hazardous wastes that are transferred to Bulgaria.

According to art.22 (1) of IED a baseline report have been prepared by the operator in order to determine the state of soil and groundwater contamination.

The environmental quality standards in the area in which it is located are kept despite the fact that the installation contributes to air pollution.

The management of the company is willing to improve its environmental issues and to become an “environmental friendly” company. Therefore the company is registered under EMAS. Nevertheless, during last inspection carried out two relevant non-compliances with permit conditions have been detected.



Procjena rizika IED instalacije sa IRAM aplikacijom

Tvornica aluminijuma

Kompanija "IMPEL-Aluminijum Bosna" proizvodi aluminijum iz rude, koncentrata ili sekundarnih sirovina pomoću metalurških i elektrolitskih procesa. Postrojenje svrstava se u Aneks 1 IED direktive (2.5.a & b). Zbog toga što su elektrolitski procesi intenzivni potrošači električne struje, kompanija je odlučila izgraditi termoelektranu ukupne nazivne toplinske snage 300 MW. Zbog toga je potrebna procjena utjecaja na okolis.

Emisije u vazduh i vode su toliko visoke, da su potrebne tehnologije za smanjenje utjecaja na okoliš i ljudsko zdravlje. Postrojenje koristi u svojim aktivnostima opasne tvari ali je njihova količina na lokaciji ispod Seveso praga. Pored toga se proizvodi godišnje 9.000 tona opasnog otpada, koji se izvozi u Bugarsku.

Sa obzirom na član 22 (1) IED direktive od strane operatora pripremljeno je temeljno izvješće o onečišćenju tla i podzemnih voda, kako bi se utvrdilo stanje tla i podzemnih voda.

Standardi kvaliteta životne sredine na području na kojem se nalazi postrojenje čuvaju se uprkos činjenici, da postrojenje doprinosi zagađenju vazduha.

Uprava kompanije je spremna da rješava probleme koji se odnose na okoliš, i da postane kompanija „ljubazna za okoliš“. Zbog toga je kompanija pridobila EMAS licenciju. Ipak tokom poslednje inspekcije utvrđena su dve relevantne neusklađenosti s uvjetima okolišne dozvole.