

## **SUMMARY**

### **ENVIRONMENTAL IMPACT ASSESSMENT OF THE NEW GRANULATION PLANT**

The new granulation plant affects the factory II (industrial area) and the nearby areas.

Impacts to the different environmental media:

#### **AIR**

The used air from the granulation technology contains fertilizer dust and ammonia. The main part of the dust is separated by cyclones. The collected dust is recycled into the technology. The dedusted air is going through a scrubber in which remain dusts and ammonia content are washed out with weak, sour ammonium nitrate solution. The predicted emission is much lower than the limit value. The guaranteed emission level  $<40\text{mg/m}^3$  for dust and  $<50\text{mg/m}^3$  for  $\text{NH}_3$ .

The applied technology meets the requirements of BAT.

The emissions of the new plant do not influence the original size of impact area of the Company.

#### **SOIL**

The granulation plant is going to be built in the existing industrial area (factory II). The project does not pollute soil and does not influence the quality, usage and productivity neither on site nor nearby.

#### **SURFACE AND UNDERGROUND WATER**

The affected surface water is Pét channel in which the collected raining waters of the factory and the cleaned technological waters of the existing plants are also entered. The water of Pét channel goes through a biological post-treatment facility and then runs into the receiver natural water.

The clean raining water and the technological waters which contain less than 30 mg/l total nitrogen from the new granulation plant will be led to the channel of the Company and run into the receiver natural water after biological treatment. The waste water from the plant does not cause significant change in the amount and quality of the effluent water of the factory. The waste waters - generated in the plant - with total N content above 30mg/l are led to other technology (NA plant).

The new plant does not influence the quality of underground water, so there is no need to supplement the network of the existing monitoring wells with new ones.

#### **WASTES**

New type of wastes is not predicted from the new granulation technology. There is no technological waste. Small amount solid wastes are from maintenance (eg. oil, absorbents, textiles). The hazardous wastes are collected separately in closed vessels in a special store-place of the factory. The wastes are transported then to licensed waste management companies.

#### **NATURE AND LANDSCAPE PROTECTION**

The project does not have more impact on nature and landscape than it is tolerable in any stage (building, operation, shut down). There is no sensitive area nearby.

#### **NOISE**

The guaranteed noise emissions of the relevant parts of the plant were determined by a noise expert according to the national regulation.

#### **CONCLUSIONS**

The new granulation plant does not cause significant change in environmental media. The predicted emissions and impacts are low.

