

PRODUCT NAME: ECOSORB®606

Case History Bitumen Odour Treatment

Application: Asphalt Mixing Plant in Italy



Ring with nozzles spraying Ecosorb® constantly

Preview

This factory produces bitumen thanks to two ovens of 20 tons each. The airflow of these ovens, after dust filter, goes to the chimney.

Problem

In the case the factory uses recycled asphalt, there are odour problems in the airflow, caused by the various components that remain in this recycled asphalt, for instance: tires, oils and other. This situation produces continuous complaints from the neighborhoods that live close to the factory.

Therefore, the odour problem is one of the

priorities for continuing to work without problems with the people and with the environmental police.

Solution

We install a ring with 5 nozzles (2 micron hole) into the pipe after the dust filter and before the blower, that dose a mix ECOSORB® 606 + WATER.

Olfactometric test

In cooperation with a laboratory company (PROGRESS Milano) we made olfactometric test for estimating the efficacy of the treatment with ECOSORB® 606. They put an olfactometric unit into the pipe, 3 meters before the end of the chimney. Find the results of the test in the schedule below

Conclusion

The results obtained, demonstrate that ECOSORB® 606 is the solution for solving the odour problems and the claims of the neighborhoods.

In this moment the factory doses around 500 ml/h of ECOSORB® 606, and the odour is reduced more than 50%.

PRODUCT NAME: ECOSORB®606**Case History Bitumen Odour Treatment****Application: Asphalt Mixing Plant in Italy**

<i>Sample code</i>	<i>Sample description</i>	<i>date</i>	<i>time</i>	<i>dilution</i>	<i>(ou_E/m³)</i>
100406ASA01	Blank	06/04/2010	14.20	2	20'000
100406ASA02	With 250 ml/h of ECOSORB® 606	06/04/2010	14.25	2	18'000
100406ASA03	With 500 ml/h of ECOSORB® 606	06/04/2010	14.30	2	10'000
100406ASA04	With 750 ml/h of ECOSORB® 606	06/04/2010	14.35	2	9'200
100406ASA05	With 1'000 ml/h of ECOSORB® 606	06/04/2010	14.40	2	6'200
100406ASA06	100 meter from chimney	06/04/2010	15.00	-	150

Airflow: 30'000 m³/h, Temperature: 105°C



Dosing Point



Airflow Treatment System