

Supporting IRAM Implementation



Risk assessment of an non-IED installation (results evaluation)



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23 – 24 March 2016 / Sarajevo, Bosnia and Herzegovina

IC1: Type and kind of installation

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It has an environmental permit but it is not a Seveso establishment.

Description of the value	Value
Non-IPPC installation without need of an environmental permit	0
Non-IPPC installation without need of an environmental permit but object of environmental regulations	1
Non-IPPC installation that needs an environmental permit	2
Non-IPPC installation that needs an environmental permit and a part of a SEVESO establishment	3



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IC2: Impacts on human health or the environment

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During last 5 years inspectorate has got 3 complaints regarding a noise in early morning hours because of loading trucks. Problems were solved next day by

Description of the value	Value
No environmental complaints, environmental accidents or incidents in the last 5 years	0
At least one minor environmental complaint, minor environmental accident or incident in the last 5 years	1
More than two minor environmental complaints, minor environmental accidents or incidents in the last 5 years	2
At least one relevant or important environmental complaint, relevant environmental accident or incident in the last 5 years	3



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IC3: Annual releases to water

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the environmental permit limit value for sulphites is $[\text{SO}_3^{2-}]_{\text{lim}} = 10 \text{ mg/l}$. No annual quantity of pollutants released to water is over 75 % of threshold value.

Description of the value	Value
There are releases to water but no release is over 90 % of threshold value	1
At least one release is over 90 % of threshold value but less than 100 %	2
Only one release is over threshold value	3
At least one relevant or important environmental complaint, relevant environmental accident or incident in the last 5 years	4



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IC4: Emissions to water

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sewerage system. From an annual monitoring report for the year 2014 we can see that measured concentration of sulphites in wastewaters is $[\text{SO}_3^{-2}] = 23 \text{ mg/l}$ while the environmental permit limit value for sulphites is $[\text{SO}_3^{-2}]_{\text{lim}} = 10 \text{ mg/l}$. No annual

Description of the value	Value
There are emissions to water but no emission limit value is exceeded	1
Only one limit value is exceeded for less than 10%	2
Two limit values are exceeded for less than 10% or one limit value is exceeded for more than 10%	3
More than two limit values are exceeded for less than 10% or more than one limit values are exceeded for more than 10%	4



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IC5: Releases to land

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Beside that, there are no releases to land.

Description of the value	Value
There are no releases to land	0
There are releases to land but no limit value is exceeded	1
Only one limit value is exceeded for less than 10%	2
Two or more limit values are exceeded for less than 10% or one or more limit values are exceeded for more than 10%	3



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IC6: Off-site transfer of waste

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In the last year the company produced 47 t of non-hazardous waste and 860 kg of hazardous waste. Beside that, there are no releases to land.

Description of the value	Value
No activity specific waste	0
Non-hazardous waste <2,000 t/y or hazardous waste <2 t/y	1
Non-hazardous waste >2,000 t/y (<4000 t/y) or hazardous waste >2 t/y (<4 t/y)	2
Non-hazardous waste >4,000 t/y or hazardous waste >4 t/y;	3



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IC7: Risk of accidents

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It has an environmental permit but it is not a Seveso establishment.

Description of the value	Value
It is not SEVESO installation	0
Installation is lower tier SEVESO establishment	2
Installation is upper tier SEVESO establishment	4



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IC8: Noise

The last noise immissions monitoring has shown 63 dBA of noise where noise limit values for the location of factory are 65 dBA for a night and 75 dBA for a day.

Description of the value	Value
No relevant noise immission	0
Noise immissions are more than 3 dB(A) below limit value	1
Noise immissions are plus 1 dB(A) or or minus 3 dB(A) around limit value	2
Noise immissions exceed limit value for more than 1 dB(A)	3



IC9: Releases to air

For a steam production and heating, they use a natural gas. Emissions to air are within the limits.

Description of the value	Value
There are no releases to air	0
There are emissions to air but no emission limit value is exceeded	1
Only one limit value is exceeded for less than 10%	2
Two or more limit values are exceeded for less than 10% or one or more limit values are exceeded for more than 10%	3



OPC1: Compliance

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Last inspection was in year 2014 and it was found out that concentration of sulphites released to water is over the limit value prescribed in environmental permit. Because of that a company got a formal administrative decree to solve the problem until the end of 2015. Beside that there was no other major relevant non-compliance with the permit conditions.

Score	Definition
-1	No relevant non compliances of the installation with the permit conditions or violation of the operator duties
0	One relevant non compliance of the installation with the permit conditions or violation of the operator duties
1	More than one relevant non compliance or one important non compliance with the permit conditions or violation of the operator duties



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OPC2: Attitude of the operator

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Last inspection was in year 2014 and it was found out that concentration of sulphites released to water is over the limit value prescribed in environmental permit. Because of that a company got a formal administrative decree to solve the problem until the end of 2015. Beside that there was no other major relevant non-compliance with the permit conditions.

Score	Definition
-1	Operator reacts immediately after recognising a condition of relevant non-compliance
0	Operator reacts after receiving a warning letter form the competent authority
1	Operator reacts only after repeated warning letters or after a formal administrative decree of the competent authority



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OPC3: Environmental management system

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In the year 2011 the company passed an audit for ISO 14001 quality system but it is questionable if they are working successfully with this environmental management system.

Score	Definition
-1	Site is registered under EMAS and the operator is working successfully with this environmental management system
0	Site is not registered under EMAS but the operator is working successfully with an accepted environmental management system
1	Site is not registered under EMAS and the operator is not working with an accepted environmental management system



Risk ranking number

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322211100

Did you get this number?
..... then you are the
best !

