

The Bureau for Analysis of Industrial Risks and Pollutions (**BARPI**) of the French Ministry of Environment, Energy and the Sea has the pleasure to release its fifth newsletter. This newsletter aiming at experience feedback on technological accidents will come out twice a year. Do not hesitate to forward this message to any person you think might be interested. Registration is free at the following address : <http://www.aria.developpement-durable.gouv.fr/newsletter>

Synthesis - Analysis of pressure equipments related accidents



Pressure equipments are everywhere in our daily life: fire extinguishers, LPG tanks, compressors, oxygen bottles are just examples. The knowledge of their potential danger, both in operating or in maintenance phase, can limit the consequences of accidents. This study based on 247 French events extracted from the ARIA database, paints a portrait of pressure equipments related accidents. [Read more.](#)

Flash ARIA - Fireworks shows: Vigilance required before, during and after!



Every year, accidents occur during fireworks shows and thereby remind us that, although an expression of festivities, these events are not devoid of risks. What's more, hazards are not confined to the actual launch itself! Especially, incidents also arise during the storage period preceding the show, often because regulatory requirements and safety rules have not been respected. This flash goes through the rules of caution that must be applied by all parties involved in the organisation of a pyrotechnic show. [Read more.](#)

Flash ARIA - Cooling towers: Legionnaire's disease still running rampant!



The outbreak of legionnaire's disease in the Lisbon suburbs in 2014 has provided a sad reminder: the propagation of legionellae within the water circuits of cooling towers is capable of causing major health impacts whenever water droplets are dispersed from these towers. Despite existing regulations for preventing the risk of legionellae, new cases of legionnaire's Disease are still being recorded every year. The objective of this flash is to highlight a few prevention measures based on the analysis of recent outbreaks. [Read more.](#)

Accident report

ARIA 7135 - 26/07/1995 - RIBECOURT-DRESLINCOURT (60)

Manufacturing of formaldehyde-phenol resins: a process under control



At a chemical facility, a rupture disc broke on a formaldehyde-phenol resin polymerisation reactor. Six tonnes of reaction medium were released. The mix fell both inside and outside plant premises, at distances as far as 400 m. Vegetable gardens and several vehicles received residue on their surface. The reactor loading level, combined with insufficient available cooling capacity and inappropriate temperature settings, impeded control over the reaction process. [Read more.](#)

ARIA 4417 - 07/04/1993 - FLORIFFOUX (BE)

Deadly explosions during the cleaning of a silo



The number of casualties resulting from the Florifoux silo explosions is high: 5 dead and 4 injured. Debris were scattered over a 100-m radius, windows were broken and damages to homes were observed as far as 300 m away. This accident shows how negligence and a series of bad practices can lead to a tragedy of this kind. There are many lessons to be learnt from this accident. [Read more.](#)

MAHB Lessons Learned Bulletin



The Major Accident Hazards Bureau (MAHB) of the Institute for the Protection and Security of the Citizen of the European Commission issued a "[Lessons Learned Bulletin](#)" for chemical accident prevention and preparedness, whose aim is to provide insights on lessons learnt from accidents reported in the European Major Accident Reporting System (eMARS). The theme of this 8th issue is Major accidents involving explosives.

ARIA Website : <http://www.aria.developpement-durable.gouv.fr/?lang=en>

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