

Immediate measures for damage reduction

Immediate measures after fire damage

yes no

Under consideration of the necessary personal safety equipment PSA (e.g. personal protection suit category III/5+6, protective gloves „acid resistant“, respirator mask P3 as well as VDS Guideline 2357, DGUV 101-044 (formerly BGR 128), TRGS (Technical Regulations for Hazardous Substances) 524).

General information

- Redirect remaining flue gas outside (opening windows, external doors, etc.) yes no
- Remove extinguishing water by vacuuming, absorbing, wiping etc.; do not forget deeper lying drains yes no
- Protect non-affected areas from the dissipation of soot (sealing off, building sluices), e.g. in transition areas such as doors and gates; position damp rags or doormats yes no
- Remove wet objects (insulation, furniture, curtains, possibly floor coverings, etc.) yes no
- Vacuum up loose soot layers yes no

Electronic systems and devices

- Move portable electronic equipment to dry rooms unaffected by the fire yes no
- Reduce relative humidity to below 40 % as quickly as possible to prevent corrosion, e.g. have dehumidifier installed yes no

Electronic systems and devices

- Prevent corrosion of metal surfaces of machines, stock a technical installation by applying an anti-corrosion agent yes no
- If possible, enclose machines and reduce corrosion by installing dehumidifiers yes no

General first measures

- Ensure that areas are protected against being entered yes no
- Secure damaged section against unauthorized access yes no
- Prevent damage to the environment by leaking liquids yes no
- Protect against rain water which can cause environmental damage due to leaching yes no

Unless already taken care of

- Immediately switch off and/or shut down electrical/electronic systems and take precautions to protect equipment and secure against reactivation (VDE 0105); also disconnect any emergency supply by way of batteries yes no
- Switch off machines and production facilities yes no
- Render ventilation and climate systems, gas and compressed air supply inactive yes no
- Inform insurance yes no
- Document condition (photos, video, etc.) yes no
- Do not perform any function tests on systems and devices yes no

All measures recommended by POLYGONVATRO have to be executed in accordance with due care by in-house experts. We particularly point out that incorrect deactivation of machines or the separation of systems from power may cause subsequent damage.

If in doubt, please contact the experts of POLYGONVATRO!

Immediate measures for damage reduction

Immediate measures after water damage

- | | yes | no |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| · Unless already taken care of: All affected electrical supplies must be switched off immediately and secured against reactivation according to VDE 0105 | <input type="checkbox"/> | <input type="checkbox"/> |
| · Also switch off emergency supplies (batteries, UPS, etc.) immediately | <input type="checkbox"/> | <input type="checkbox"/> |
| · If applicable, disconnect circuit boards with buffer batteries (memories) | <input type="checkbox"/> | <input type="checkbox"/> |
| · Protect installation with covers, barriers etc. as long as water is running or dripping | <input type="checkbox"/> | <input type="checkbox"/> |
| · Remove water-storing media, wet furniture, fabrics/curtains, carpets, cardboard, insulations etc. | <input type="checkbox"/> | <input type="checkbox"/> |
| · Wipe remaining furnishings, walls, ceilings etc. dry | <input type="checkbox"/> | <input type="checkbox"/> |
| · Vacuum and/or wipe floors, do not forget deeper lying drains | <input type="checkbox"/> | <input type="checkbox"/> |
| · Discharge compressed air from electronic equipment or moist parts and possibly dry with warm air (Attention: maximum temperature for electronic is 50 - 60 °C) | <input type="checkbox"/> | <input type="checkbox"/> |
| · Have dehumidifiers installed in the affected rooms | <input type="checkbox"/> | <input type="checkbox"/> |
| · For machines and stock: apply anti-corrosion agent on metallic surfaces | <input type="checkbox"/> | <input type="checkbox"/> |
| · Do not forget to dry separately stored parts and accessories | <input type="checkbox"/> | <input type="checkbox"/> |

Immediate measures following severe dust occurrence or the effect of extinguishing powder

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|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| · Vacuuming of loose dust/extinguishing powder layers | <input type="checkbox"/> | <input type="checkbox"/> |
| · Immediately disconnect equipment sensitive to dust as contamination of crystalline structure can cause increased (high) wear in movable parts | <input type="checkbox"/> | <input type="checkbox"/> |
| · If possible, do not continue to operate electronic equipment as they may overheat due to poor heat dissipation; movable parts wear quicker | <input type="checkbox"/> | <input type="checkbox"/> |
| · Do not disconnected circuit boards unnecessarily as this may result in contact material abrasion | <input type="checkbox"/> | <input type="checkbox"/> |
| · In case of extinguishing powder: provide dry environment to prevent corrosion (dehumidifiers) | <input type="checkbox"/> | <input type="checkbox"/> |
| · If possible enclose affected machines and systems and dry with dehumidifiers to prevent a chemical reaction | <input type="checkbox"/> | <input type="checkbox"/> |

Immediate action following accident at wind turbines: Oil leaks / Fire damage / Rotor blade breakage

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|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| Wind farm: _____ Coordinates: _____ Equipment type: _____ | <input type="checkbox"/> | <input type="checkbox"/> |
| · On-site coordination of initial measures (fire brigade, or similar) | <input type="checkbox"/> | <input type="checkbox"/> |
| · Immediate collection of substances or waste hazardous to water, insofar as no hazard to humans is expected due to parts falling from the wind turbine | <input type="checkbox"/> | <input type="checkbox"/> |
| · Release of the damaged wind turbine / recommissioning of the wind farm | <input type="checkbox"/> | <input type="checkbox"/> |
| · Security services, 24-hour site safety | <input type="checkbox"/> | <input type="checkbox"/> |
| · Reporting to operators via accident e-mail address regarding current situation, agreements made, and next steps to take | <input type="checkbox"/> | <input type="checkbox"/> |
| · Emergency services needed: _____ hrs arrival after damage reported | <input type="checkbox"/> | <input type="checkbox"/> |
| · Expert opinion by geologists / chemists | <input type="checkbox"/> | <input type="checkbox"/> |

Site set-up [1] / POLYGONVATRO [2]

- | | | | |
|----------------------------|-----------------------------|--------------------------|----------------|
| Boot washing unit _____ | Electricity generator _____ | Site fencing in m: _____ | Office _____ |
| Container: Personnel _____ | Security services _____ | Materials _____ | Plumbing _____ |

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