



# CLEVE HILL SOLAR PARK

ENVIRONMENTAL STATEMENT  
VOLUME 4 - TECHNICAL APPENDIX A12.3  
PILING RIG NOISE DATA EXTRACT

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- an **emergency button**, placed nearby the control levers, can stop the engine. The operator seeing a dangerous situation, can push the button and the machine will totally stop and so also obviously the respective levers that were in action. With the stopping of the engine, the dynamic oil pumps are disactivated and so are all the controls. **The operator needs to unlock the emergency button to be able to start the working process again. He can do this by turning the button slowly clockwise** and then he can restart the engine.

#### B4 Noisiness

The sound level of the pile driver (measured on the control position of the operator) with the engine on and the machine stopped is between 88,2 (Leq A) and 108 dB (Lcpeak). When the engine is on and the machine drives a pile, the sound level of the pile driver is between 110 (Leq A) and 134 dB (Lcpeak). Seen these results, the operator is **obliged** to use acoustic protection during the entire hammering phase. He must only use approved protection.

#### B5 Residual Risks

For obvious functional needs, it is not possible to protect all the moving parts of the machine. Therefore they represent a potential danger for the operator and for the people who may be nearby. Particularly, not respecting all the safety prescriptions earlier described, the Working Safety Norms, and an improper and/or inattentive behaviour of the operator may cause the following residual risks:

- danger of striking with lightning in the presence of electrical underground and aerial lines;
- fire and explosion danger in the presence of underground gas and combustible oil lines;
- shearing danger and/or crushing of the upper and inferior limbs (see also label nr.1 and nr.4);
- corrosion danger for contacts with the battery liquid (see also label nr.2);
- burning danger for contacts with the endothermic parts of the engine (see also label nr.3);
- face and eye injuries for projection of solid parts (see also label nr.10);
- abrasion further to collision with metallic parts (see also label nr.8, nr.9 and nr.11);
- injuries to the auditory apparatus for not having used the proper and idoneous protection (see also label nr.12)