



Figures 151, 152

Figure 151: Bollard showing dirt and wildlife inside an IP rated environment.

Figure 152: The luminaire is filled with sand and not performing anymore as designed. A replacement would be required.

The above samples are found in Abu Dhabi city, all the fixtures are in use and/or the circuits switched on during the night. The maintenance gets more and more difficult for a client as more luminaires are installed. Therefore it is advised to design carefully and not to use more luminaires than needed. This will ease the maintenance efforts of the client dramatically.