

## Utilities Department on-site initial disaster emergency response drill evaluation report (3)

### 公用工程部现场初期灾变应急处置演练评估通报（三）

At 14:31 on September 6, 2022, the emergency drill evaluation team of Utilities Department, without notifying the team, conducted a spot check on the initial disaster emergency response drill for the sewage treatment posts of the second class of water treatment. The drill items are set as: The on-site emergency response to abnormal alarms of the fixed hydrogen sulfide gas alarm instrument (tag number 5152-GT91027) on the east side of the oil-containing biochemical tank.

2022年9月6日14时31分，公用工程部应急演练考评小组在未通知班组的情况下，对水处理二班污水处理岗位进行了现场初期灾变应急处置演练抽查，演练项目设定为：含油生化池东侧固定式硫化氢气体报警仪（位号 5152-GT91027）异常报警的现场应急处置。





### Review 演练点评:

1. In this drill, after receiving the drill instruction, the in-house operator of the second water treatment team started the team-level emergency response procedure as soon as possible, and used the walkie-talkie to report the on-site situation to the squad leader Pan Wentao. The operator Zhang Hongjiang and the deputy operator Zhang Feihu immediately stopped their work and returned to the operator's room. After they quickly put on the air call, they rushed to the scene of the accident to confirm, and arranged for another 2 deputy operators to evacuate the scene.

It took a total of 3 minutes and 27 seconds from the time of receiving the police to the scene for disposal. This drill team is more proficient in emergency response steps and acted quickly.

本次演练，水处理二班内操接到演练指令后，第一时间启动班组级应急响应程序，使用对讲机向班长潘文涛报告现场情况，潘文涛接到报告后立即做出安排，安排外主操张宏江、外副操张飞虎立即停下手中工作回到外操间，迅速佩戴空呼后双人赶赴事故现场进行确认，安排另外 2 名外副操疏散现场其他人员，从接警到达现场处置用时共计 3 分 27 秒。本次演练班组对应急处置步骤较为熟练，行动迅速。

During the disposal process, the squad leader first confirmed the wind

direction and instructed the emergency personnel to enter the alarm area from the upwind direction. The external operators cooperate with each other, remind each other, wear the air call correctly and rush to the scene with the four-in-one portable gas detector. After arriving at the scene, find out the number of the alarm device accurately. It was confirmed again that the on-site gas detection was normal, and there was no abnormality, which was a false alarm by the alarm device. After communicating the on-site situation with the central control internal operation, the alarm was lifted

在处置过程中，班长首先确认风向，叮嘱应急处理人员从上风向进入报警区域。外操人员相互协作，互相提醒，正确佩戴空呼和携带四合一便携式气体检测仪赶赴现场，到达现场后准确找出报警仪位号，通过随身携带的两部四合一报警仪对现场情况再次确认，现场气体检测正常，无异常属报警仪误报，随即将现场情况与中控内操进行沟通后，警报解除。

## 2. Problems during the exercise process 演练过程存在以下问题：

### 2.1 Control panel 中控内操

- (1) No feedback to the site after the central control inspection and monitoring;

现场外操存在的问题中控检查监控后未向现场反馈；

### 2.2 Field operator problem 现场外操存在的问题：

- (1) The wearing steps of the air call are not standard, and the wearing time is extended  
空呼穿戴步骤不标准，延长佩戴时间；
- (2) If the warning range for on-site pulling is too small, it should be pulled at the entrance of the area;  
现场拉设警戒范围过小，应在区域入口处拉设；
- (3) On-site evacuation personnel are mainly unrelated personnel other than emergency maintenance, electrical instruments, etc.现场疏散人员主要是检修、电气仪表等应急之外不相关人员；
- (4) Brunei employees were not arranged for a joint drill during the drill;  
演练过程中未将文莱员工安排进来共同演练；
- (5) The on-site emergency response personnel waited until after the instruction to proceed to the next step, lacking initiative.

现场应急处理人员等到指令后才进行下一步操作，缺少主动性。

## 3. In view of the problems existing in this exercise, improvement measures 针对本次演练存在的问题，改进措施：

- (1) The division of responsibilities of the team members should be clear, and the mutual information communication and reporting should be comprehensive  
班组人员职责分工应予以明确，相互信息沟通汇报要全面；
- (2) During the exercise, internal and external exercises should strengthen horizontal communication, and the squad leader should collect effective information to analyze and judge in a timely manner  
演练过程中内外操要加强横向沟通，班长收集有效信息及时进行分析研判；
- (3) The warning area should be expanded to the entrance or exit of the alarm area, and special personnel should be arranged to guard it until the end of the exercise;  
拉设警戒区域应扩大到报警区域的入口或出口，并安排专人守护，直至演练结束；
- (4) The squad leader should be familiar with the maintenance operations of the day, so as to facilitate the evacuation of the operators

班长要熟知当天的检修作业，便于安排作业人员疏散；

- (5) During night shifts or sub-shifts, emergency drills are carried out many times, and Brunei employees are allocated to the best of their ability. The task requires the participation of all staff.

在夜班或副班时，多次进行应急演练，给文莱员工分配其力所能及的任务，要全员参与进来。

- (6) The squad leader should make arrangements in daily drills, so that everyone is responsible for any task, everyone has a task, and complement each other's roles, so that they can respond more smoothly after an emergency situation occurs, and cannot passively wait for instructions to rely on them. arrange.

班长在日常演练时应做好安排，做到任何任务都有人负责，任何人都任务，并且做好角色互补，在出现应急情况后才能更流畅的应急，不能被动的等指令靠安排。

Observation 观察员设置：

On site observer 现场观察员

余部长、吕应强、邓文涛

Field observer 外操间观察员

张浩然、于亚鹏、李纯进

Panel observer 中控观察员

张云波

公用工程部

2022 年 9 月 6 日