

Group Exercise on Hazard Identification and Risk Assessment:
Responsible Production in Practice



Overview



Examples: What can go wrong when delivering /picking-up chemicals

- Responsible Production risk assessment in practice: manufacturer of steel tubes
 - Group Exercise: You assess the risk



Accidents at SME Galvanization Plants in Germany: 2014



- Accident when transferring HCl (37%) to storage tank:
 37 people injured
- Accident when transferring Nitric Acid to transport vessel: evacuation, several injuries
- Causes: not following SOP's and adhering to SDS information







1. IDENTIFY RESPONSIBLE PRODUCTION ISSUES

2. GET THE RIGHT PEOPLE INVOLVED

3. DEVELOP YOUR PLAN

4. PUT PLAN INTO PRACTICE, TRAIN AND COMMUNICATE

5. EVALUATE HOW WELL YOU DID



Tools for the first step of Responsible Production



Focus of this session

Tool 1.1
Prepare
process flow
chart

Tool 1.2 Chemical inventory and hazard classification Tool 1.3 Identify risks

Tool 1.4 Hazard hotspots map

Tool 1.5 Legal register Tool 1.6
Hazard
classification
(control
banding)

Tool 1.1 Prepare a process flow diagram



Step 1: Prepare your process flow diagram

- Define boundaries of process
- Decision on level of detail to be included in the diagram
- Identify steps and activities in the process
- Describe sequence of activities
- Discussion and revision of flowchart with relevant stakeholders

e.g. Workers and supervisors

Suppliers

Transporters

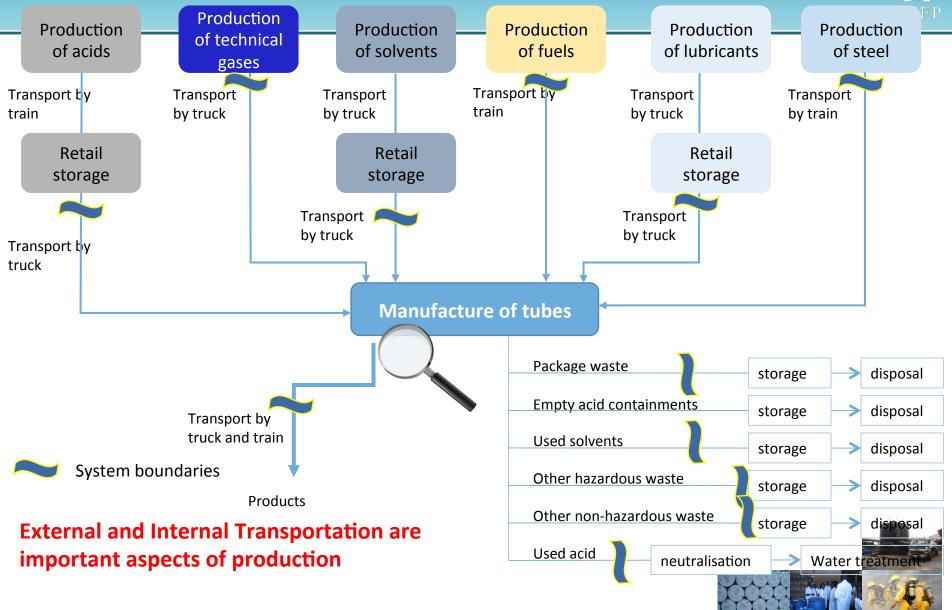
Customers

Maintenance companies

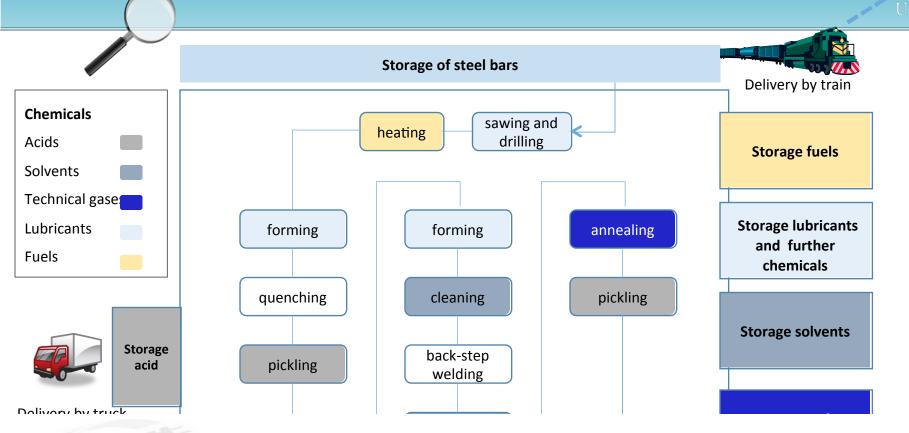


Boundaries of the process





Level of detail to be included in the flow diagram



预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5 16311

