



Chlorine Gas Injection Room Safety Checklist

(Recommended inspection frequency annually)



Authority:	Inspection Date: / /
Name of Inspector:	Title:
Location Surveyed:	How many Cylinders? Full ____ MT ____

#	Needs work	Yes/OK	N/A	Item Write line # & comments on back for each needs work item
1.				Is there a chemical ID sign on the room door
2.				Does the door swing outward towards the exterior?
3.				Is the door kept locked & only accessible to authorized personnel?
4.				Does the room have at least one shatter resistant observation window?
5.				Are all in-service cylinders supported with a chain or other mechanism?
6.				Are the Chlorine weigh scales set at grade level or a ramp provided?
7.				Are empty cylinders clearly identified?
8.				Are spare cylinders secured at the point of 2/3 rds their height?
9.				The room piping & building steel should not be significantly corroded?
10.				Is all interior room piping identified?
11.				Does interior lights & ventilation fan have a switch outside the entry door?
12.				Does the exhaust fan operate?
13.				Does the fan shut off within 1 minute of the door closing?
14.				Is the exhaust fan located low in the space? But above 15" from the floor?
15.				Air intake located high in the space? But less than 12" from the ceiling?
16.				Does the room have a Cl ₂ gas monitor system?
17.				Is the alarm system inspected and calibrated periodically? Last? _____
18.				Does the alarm system have a warning light/horn outside?
19.				Is the annunciator light/horn identified with a sign?
20.				Does the sign specify what the correct response action(s) should be?
21.				Is the chlorine alarm connected to your SCADA system?
22.				Room has a heater that keeps temperature above 50 ⁰ F. Does it work? Y N
23.				Is the flexible tubing replaced at <u>least</u> annually?
24.				Are all chlorine gas pressure lines located on interior walls only?
25.				Is there a supply of new lead washers? At least 10 Y N
26.				Is a leak detection (10 % ammonium hydroxide) squirt bottle provided?
27.				Is the leak detection bottle labeled? CAS# 1336-21-6?
28.				PPE: Rubber gloves, apron & face shield clean, protected & available?
29.				Is there a special cylinder cart available to move cylinders?
30.				Is the SDS and HSFS # 367 available & accessible
31.				Is the SOG for cylinder change available & accessible?
32.				Is there an eye wash drench shower available at this location?
33.				Is a "Compressed Gas" Pictogram (see above) posted on the entrance door?
34.				Does the Authority own a Chlorine Leak KIT A for 150 pound cylinders?
35.				Are SCBA units available for emergencies when cylinders are changed out?
36.				Is the DOT placard for Poison gas 2.3 posted outside? (see above)