

USING TECHNOLOGY TO CREATE A SAFER ENVIRONMENT

SWEDISH MEDICAL CENTER

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2015 PROCESS IMPROVEMENT TOPIC

- Problem Statement:
 - Between 2006-2010 there were 6,240 structure fires in Health Care Facilities according to statistics from NFPA.
 - How do you offer on-going and just in time training to 12,000 employees along with contractors, visitors, and patients on who has the authority to shut off the medical gas valve during an active fire?



DISCUSSION OF THE ISSUES

- Most healthcare systems struggle with making sure that **ALL** staff are trained on what to do during a fire.
- Annual education around RACE and PASS account for most of that training
- On going compliance with hallway egress is a struggle
- We at Swedish saw ongoing issues when asking staff who has the authority to shut off medical gas that is seen actively feeding a fire. The answers we received varied from Fire Fighters , Charge Nurse, Respiratory Therapist, to anyone...
- This issue also came up during surveys when the authority having jurisdiction (TJC, DOH, DNV, State Fire Marshal) would ask the question.



ACTION PLAN/IMPLEMENTATION

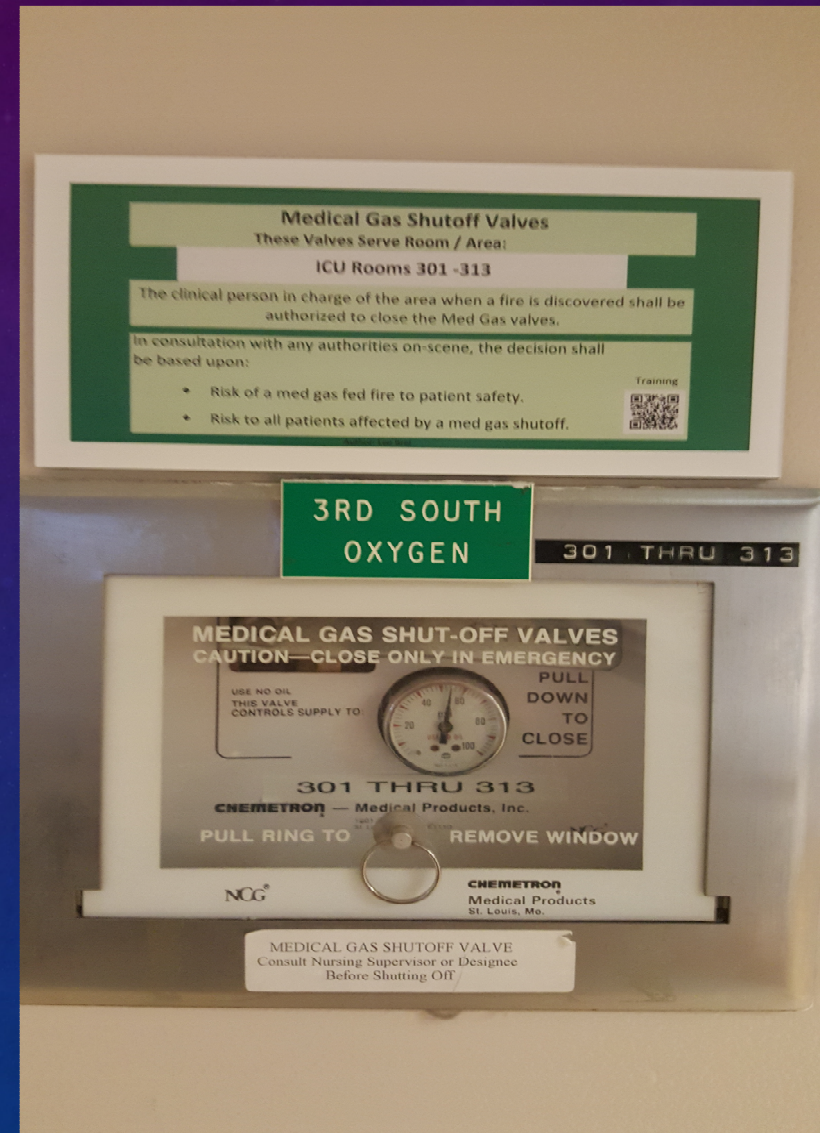
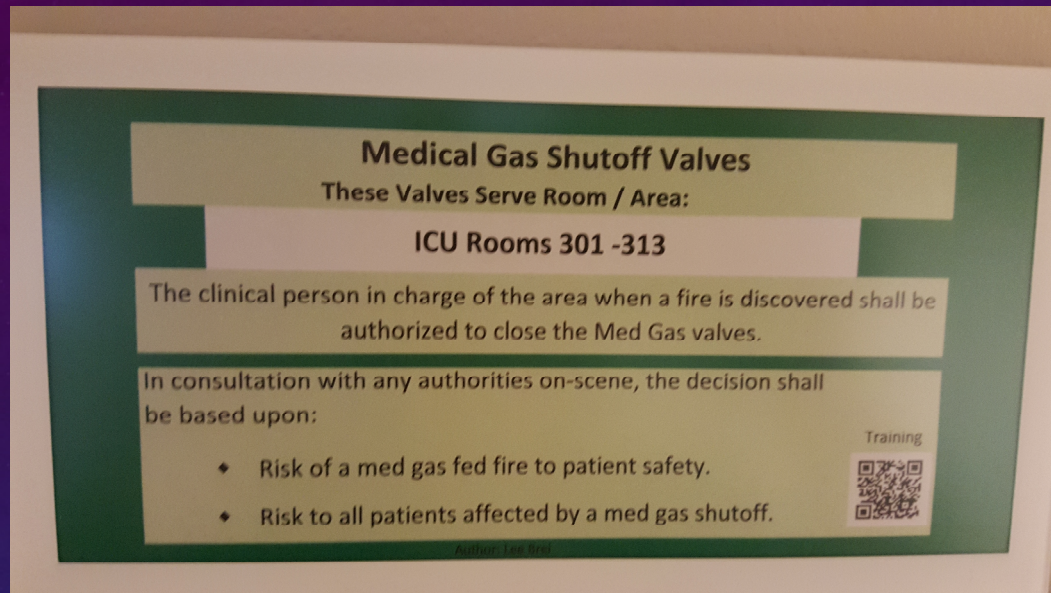
- The Solution: Give the employee the answers and training at the same location where a decision needed to be made.

THE SOLUTION



- The Action Plan/Implementation
 - In 2015 the Safety Team at Swedish created a YouTube video for just in time training and then placed it on a private page that can only accessed by a link
 - Once the video was finished and edited we took the link and placed it in a QR code generator software.
 - We then place the QR code on our signage above all of our medical gas panels.
 - When the safety officers are conducting safety walks we can take staff to the panels and give them training on the spot as well as show managers how they can download a QR scanner and do the same thing for staff.
 - Other than reprinting of the signs, all of the resources utilized to create the QR Code, QR Code Scanner were all free and on the internet.

THE SIGNAGE



RESULTS/CONCLUSION

- Our staff have been amazed that a simple QR code can give them the education they want in the palm of their hands.
- A majority of caregivers now have smartphones available for their job duties, by downloading a free scanner they now have the training they need when they want it.
- With the push towards accountable and transparent care we encourage our visitors, contractors, and any other person with business in the hospital to also check the video out.

NEXT STEPS

- The future use of this technology are endless and we plan on using this technology in many others ways . Some examples include placing QR codes on:
 - PAPRs for education around donning and doffing
 - Evacuation Chairs/sleds for just in time training
 - Hazmat Trailers so that you can see an immediate inventory of what is in the trailer
 - Hazmat Room for inventory, contact information, etc...
- The uses for this and other technology are endless.
- With fewer dollars towards training in safety as well as emergency preparedness it is up to us to be innovative and collaborative on solutions because the need for education is not going away.