

Machine Operation Committee

SAFETY

In accordance with the wishes expressed at a recent MOC meeting, we have examined some aspects of industrial safety in the P.S. area, together with MM. Vosdey and Leskens, and reached a few conclusions that we wish to propose for discussion.

1. Proposed text for a circular .

(To be widely distributed and posted up in several languages. The text is based on a draft by Vosdey/Leskens and, for convenience, it is given here in French.)

A. Mesures à prendre en cas d'incendie.

1. Prévenir immédiatement le service des sapeurs-pompiers au moyen d'un des téléphones de secours qui sont placés dans l'Anneau et dans le Linac et qui sont clairement indiqués par des panneaux rouges - suivre les instructions écrites placées près de chaque appareil - ne pas oublier qu'on peut aussi employer les téléphones ordinaires (No.222).
2. Prévenir la salle de commande principale.
3. Dans l'Anneau, s'il s'avère nécessaire, couper l'alimentation 3 kV au moyen des interrupteurs de sécurité (bouton poussoir illuminé) situés à l'entrée de chaque salle d'équipement.
4. Dans le Linac, s'il s'avère nécessaire, couper les circuits
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5. En attendant l'arrivée des sapeur-pompiers, les personnes présentes essaieront, sous la direction du plus responsable d'entre eux d'éteindre le feu au moyen des extincteurs CO₂ qui se trouvent:

- a) à distances régulières autour de l'anneau, en tout 23 appareils de 2 kgs,
- b) devant chaque salle d'équipement, soit 7 appareils de 6 kgs,
- c) au centre de l'anneau, soit 7 appareils sur roues de 10 kgs,
- d) au Linac, soit 2 appareils de 2 kgs et 7 de 6 kgs.

5. Procéder à l'évacuation des personnes inutiles en se servant des sorties normales ou des issues de secours qui sont indiqués par des panneaux verts. Dans le cas d'un feu très violent ou de fumée importante, procéder à une évacuation totale du personnel.

B. Mesures à prendre en cas d'accident.

- 1. En cas d'électrocution, couper immédiatement le courant.
- 2. En tout cas d'accident prévenir immédiatement le service des sapeurs-pompiers au moyen d'un des téléphones de secours qui sont placés dans l'Anneau et dans le Linac et qui sont clairement indiqués par des panneaux rouges - suivre les instructions écrites placées près de chaque appareil - ne pas oublier qu'on peut aussi employer les téléphones ordinaires (No.222).
- 3. Prévenir la salle de commande principale.
- 4. En attendant l'arrivée des sapeurs-pompiers, seules les personnes ayant reçu l'instruction nécessaire pourront donner les premiers soins. Ces personnes sont les suivantes:

	<u>Emplacement probable:</u>		<u>Emplacement probable:</u>
MM. Delerce	P.S. sous-station	MM. Augsburg	Hall Sud
Demont	"	Bonzon	"
Flühmann	"	Dervey	"
Marais	"	Godet	"
Bramham	Linac ou laboratoires	Mercier	"
Buathier	"	Oberli	"
Chaminaud	"	Stierlin	"
Delfosse	"	MM. Bertolotto	Hall Sud, Lab. ou Anneau
Huguenin	"	Collet	"
Têtu	"	Grütter Marcel	"
Chesneau	Linac ou Hall Sud	Kuiper	"
MacDonald	"	Van der Meer	"
Willemin	"	Neet	"
Ronand	Anneau ou Hall Sud	de Raad	"
Stähli	"	Reich	"
Zanardi Joseph	"	Schmidt	"
		Vuffray	"

<u>Emplacement probable:</u>		<u>Emplacement probable:</u>	
MM. Bonnin	Hall Nord ou Anneau	Mme Cadeïli	Laboratoires
Contant	"	MM. Bally	"
Monnier	"	Vionnet	"
Rosset	"		
		Bakker Harry	Indéterminé
Cheretakis	Salle Calculat. ou labor.	Hoffmann	"
Perret	Anneau	Robert	"
		Thorlund-Peterson	"

Notes:

- a. At points A1 and B1, we assume that it is agreed to add emergency telephones in the Linac (3 to 4 in number).
- b. Points A2 and B2 come in only at a later stage.
- c. Point A4 should, if necessary, be filled in by P.H. Standley.

2. Measures proposed for immediate action.

- a) Start first aid courses to the majority of the people listed (only 13 out of 46 have already had this training). M. Vosdey will arrange this if agreed upon.
- b) Add emergency telephones in the Linac (see above).
- c) Shift the emergency exits (Ring) from the Ventilation Rooms to the radial corridors/Central Building and modify the posters accordingly.
- d) Fit emergency lighting in radial corridors plus Central Building.
- e) Add stretchers, pulmoteurs, etc. in Ring plus Central Building.
- f) Install sizeable first aid boxes in Central Building and Main Control Room.
- g) Distribute circulars.
- h) Organise a surprise exercise in the Ring as soon as the above points have been put right.

3. Proposed procedure to be specified to the S.B. Fire service.

(This follows the lines of the system in use at S.C.)

- a) P.S. operating or standing-by. The firemen must report to MCR, where the EIC is probably present - he will decide on the course to be taken and the firemen will work under his supervision. In case the EIC is absent, his assistant should take the initiative and he should therefore have definite instructions to this end (e.g. this may include whether to cut the Ring ventilation off from the MCR or other suitable, easily accessible, point preferably placed on the path followed by the squad to enter the Ring). As this procedure will prevent the firemen to enter the Ring via the ventilation room escapes, as they are now instructed to do, some more fire-fighting equipment must perhaps be stored in the Ventilation Rooms for their use.
- b) P.S. off-shift. The firemen must report to the P.S. Power House, to the shift operator, who should be given definite instructions and act in the same way as the assistant to the EIC of case a) above.
- c) Interim period (present state). We recommend that this be treated as point b) above and cover therefore day, night and week-ends. (The definite instructions should, of course, cover what to do with Linac when an emergency is reported there and they are operating. Already, at present, this is satisfactorily covered by the firemen reporting to Linac Control Centre).

As a concluding remark, we may add that in S.C. they came to the present scheme after having tried another one, where the firemen came in without warning via the external gates and, by so doing, tripped the emergency circuit of the door interlocks. This was considered unacceptable by the operators who would find the firemen busily occupied by putting the fire out before they knew that anything was wrong, and they rather accept an additional time delay than losing control of the operations. In the case of the P.S., due to the physical extent of fences and buildings, such a scheme would be quite impossible.

Distribution: (closed)
MOC members

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