

**69-75 Chenies Mews – Details of Proposed Plant Operation and Air Quality** **DRAFT 2**

## Operational details:

- The chillers serving the MRI scanners run 24 hours a day, 7 days a week, to keep the cold head operational.
- However the MRI scanners will not be used at night so the compressors (the noisiest part of the chillers) will rarely run at night time, kicking in and out according to the prevailing ambient temperature.
- Scanning and working hours occur between 8am and 6pm.
- Chiller pump set: this is relatively quiet and will operate at the same time as the chillers.
- VRF units: these will act to provide cooling and heating to the building. When the building is unoccupied the units will operate at a reduced load supporting ICT and equipment rooms only.
- Air handling units: these will provide fresh air to the building. When the building is unoccupied the units will shut down.

## Impact of quenching:

- Frequency of quenching: extremely rare/ never.
- Impact on air quality: it will expel the noble gas helium, itself a constituent of the atmosphere, at -250degC, lighter than air, dissipating upwards into the atmosphere rapidly.
- Safety:
  - the quench termination and location will be to meet all current guidelines.
  - a visible exclusion zone will be maintained at roof level together with additional operational measures including a permit-to-work system.