Multiple refuge chambers should be required in a mine coal or otherwise. Travel time to a refuge chamber should not exceed one-half hour. Refuge chambers should have the capacity to support the population of the mine, preferably in series, so that damage to one chamber or a full chamber does not preclude safe refuge in another. Refuge chambers should be oxygen/chemical regeneration to avoid damage to an vital air line or heated airline. Refuge chambers should have the capacity to provide breathing air for a time period no less then 24-hours.