Enclosure 6

PROPOSED BASIC REACTOR SITING CRITERIA

Power reactor sites must meet the following basic safety criteria in order to be acceptable:

- site atmospheric dispersion characteristics must be evaluated and plant interface criteria established such that:

  (a) radiological effluent release limits associated with normal operation must be met for any individual located offsite; and,

  (b) radiological consequences of postulated accidents must be acceptable for an individual located at any point of the exclusion area boundary for a specified time;

- physical characteristics of the site, including meteorology, geology, seismology and hydrology must be evaluated and plant interface criteria established such that potential threats from such physical characteristics will pose no undue risk to the plant;

- potential hazards associated with nearby transportation routes, industrial and military facilities must be evaluated and plant interface criteria established such that potential hazards from such routes and facilities will pose no undue risk to the plant;

- site characteristics must be such that adequate security plans and measures can be developed;

- site characteristics must be such that adequate plans to take protective measures for members of the public in the event of emergency can be developed; and

- the reactor site must be located away from densely populated centers.