

14. Site Security and Public and Worker Safety. Many Reclamation projects may require a security risk assessment. The need for a site-specific security risk assessment should be considered for every specifications level design. Specific issues to consider are listed below. Feasibility level designs may also consider the following security issues, particularly where they may impact the field cost estimates. If assistance is required to determine specific design data needs, contact the Office of Security, Safety and Law Enforcement. The following design data for feasibility and specifications levels designs should be considered for submittal:

A. Site Security:

- (1) Consider potential for vandalism, theft, and terrorism.
- (2) Consider the potential for loss of facilities and loss of life at the facilities and property if the facilities are subjected to a terrorist attack.
- (3) Consider the potential loss of offsite life and property if the facilities are subjected to a terrorist attack.
- (4) Consider availability of local law enforcement forces, fire protection forces, and medical facilities.
- (5) Consider access by nearby roads and trails and access by boats and required restrictions to this access.
- (6) Consider specific measures to meet anticipated security conditions and requirements such as limiting access, metal detectors, motion detectors, guards, identification requirements, protective barriers, 7-foot yard fence topped with barbed wire, special locks, special doors, heavy safety glass, security lighting, exclusion of windows, electronic surveillance equipment, etc.
- (7) Consider requirements for notifying police and other public safety agencies in the event of an attack.
- (8) Consider compliance requirements in regard to Reclamation Manual, DM Part 444 – Physical Protection and Facility Security, Chapters 1 and 2.
- (9) Description of existing project fire protection plans that will be applied to the facility design, together with any specific requirements for this facility. Consider need and any limitations of access for emergency vehicles.
- (10) Number of employees at the facility and how many hours per day the plant is staffed.

- (11) Need for attended operation of the facility during and following a nuclear attack.
- (12) Legal or practical requirements for fencing; recommended type of fencing, if required.
- (13) Wells: Material outlining safety factors, including presence of high subsurface pressures or toxic gases.

B. Public and Worker Safety:

- (1) Anticipate public visitation and use around facility.
- (2) Consider fencing, lighting, handrail, and related requirements.
 - (a) Legal or practical requirements for fencing.
 - (b) Recommended type of fencing, if required.
 - (c) Special requirements and locations of safety devices such as guardrail; security lighting; fences in populated areas, nets, and racks.
 - (d) Special safety requirements such as fall protection in certain areas (roofs, steep inclines, and other safety confined space access at Reclamation facilities).
- (3) Consider access limitations.
- (4) Recommendations for special protection of tunnel portals, roofs, or yards from falling rock.