PART V - G. Diversions

§2729. Diversions

A. Each application shall contain descriptions, including maps and cross-sections, of stream channel diversions to be constructed within the proposed permit area to achieve compliance with §5323.

RESPONSE: Diversions constructed within the Permit Area will serve one of two purposes. First, fresh-water diversions will collect and divert surface water runoff from outside the proposed mine disturbance areas in order to prevent co-mingling of undisturbed runoff with runoff from disturbed areas. In addition, these diversions serve to reduce the size of sediment control structures and minimize the amount of runoff that will need to be treated during active mining operations. Plans for these types of diversions will be submitted as appendices to this section. Second, diversions will direct runoff from disturbed areas to a sediment control structure. These types of diversions are referred to as collection ditches in this Permit Application and are provided with the corresponding sedimentation pond designs. Collection ditches prevent runoff from disturbed areas from leaving the Permit Area without the necessary treatment.

Diversions are also classified as either temporary or permanent structures. Diversions will be removed, upon approval by the Office, when no longer needed and the affected land regraded and revegetated in accordance with the applicable performance standard requirements. Plans for constructing or retaining diversions as permanent structures may be submitted for approval if such a need arises.

Channel capacity will be sufficient to safely carry the 10-year, 6-hour storm event at non-scouring velocities. The channel will be grassed, and additional erosion control measures may be accommodated by the conveyance provided in the design of the channel. Future detailed design drawings for fresh-water diversions will be included in the Appendices of this section.

The diversions will be designed under the direction of a qualified Louisiana registered professional engineer in accordance with the requirements of Section 5323 of the Regulations.