Lehigh Portland Cement Company, Sundt's Eddy Plant.—This plant was the first wet process plant in the Lehigh District. The plant was built by the Quaker Portland Cement Co. in 1911. It began production in 1926. The first quarry was opened northeast of the mill but as the stone was not desirable a new quarry was opened half a mile northwest of the mill. It was started in a hillside and the face has increased in height as the quarry has been extended. At one place the face is 185 feet high. A 50-foot excavation has now been made in the floor of the quarry. The quarry face is about 680 feet long.

The stone varies considerably in composition in various parts of the quarry. Stone too low in CaCO₃ to be used economically occurs between good stone in the same beds. Evidently differential solution has removed considerable of the carbonate. This poor stone, which stands about midway of the quarry, is called "the monument." The quarry furnishes stone suitable for the mix and no imported stone is required.

The structure of the strata is fairly simple. It is a broad syncline with the south limb fairly steep. Along this south wall an overthrust fault has brought twenty feet of dolomitic Beekmantown limestone over the Jacksonburg. The dolomite is badly shattered and contains numerous quartz and calcite veins.

Clay pockets are not numerous but some of them are fairly deep. They seem to occur in places where the rock has been shattered and faulted. No large fault displacements are known in the cement rock but there are numerous minor faults.

A small new quarry opened north of the mill is yielding some stone with 80 to 82 percent CaCO₃.

Alpha Portland Cement Corporation.—This company has operated its Martins Creek plant since 1904. The quarry is very close to the bank of the Delaware River at Martins Creek. It was opened in the side of a steep hill and has been developed northward until a face height of 210 feet has been reached at the north side. A further sinking is being started that will increase the depth of the quarry 60 feet or more.

An anticline approximately parallel with the course of the Delaware River extends through the quarry. The strata on the southeast side dip very gently to the southeast whereas on the northwest side, in which the main portion of the quarry has been developed, the strata dip northwest 25° to 35°.

The underlying Beekmantown dolomite should outcrop in the river bed only a short distance southeast of the quarry and has been encountered in some of the drilling in the south portion of the quarry.