

CONEMAUGH RIVER
 MARION MINE

JAMES W. DAUB - TRACT

WEST PENN POWER CO. - TRACT

OLD RAILROAD GRADE

SUR. E = 895
 TOP OF SLOPE

D.D.H. 62-G
 SUR. E = 883.56'
 TOP COAL E = 659.64'

D.D.H. 62-5
 SUR. E = 909.91'
 TOP COAL E = 658.24'

TWO COMPARTMENT SHAFT
 (FOR PORTAL AND VENTILATION)
 TOP E = 890

D.D.H. 62-4
 SUR. E = 876.63'
 TOP COAL E = 646.26'

FOOT OF SLOPE
 TOP OF COAL E = 645.35'

WATERS EDGE E = 850'

CONEMAUGH TWP. - INDIANA CO. - PA.
 LOYALHANNA TWP. - WESTMORELAND CO. - PA.

CONEMAUGH RIVER

WATERS EDGE E = 850'

WATERS EDGE E = 850'

D.D.H. 62-7
 SUR. E = 863.07'
 TOP COAL E = 616.57'

BOATYARD RUN

MRS. GROVER KUNKLEMAN - TRACT

**MARION MINE
 TUNNELTON MINING CO.**

PROPOSED MINING
 ALONG AND UNDER THE CONEMAUGH RIVER
 LOCATED IN
 CONEMAUGH TWP. - INDIANA COUNTY
 AND
 LOYALHANNA TWP. - WESTMORELAND CO. - PA.
 SCALE 1 INCH = 100 FEET - MAY 16, 1962
 HICKS ENGINEERS - LEECHBURG, PA.
 ROBERT G. GOSSER - REG. ENGINEER - NO. 9789

RICHARD J. LUTTNER - TRACT

DR. HERBERT MORROW - TRACT

I HAVE EXAMINED THE MINE PROJECTION MAP AND THE CORE STRATA AND LOGS OF DRILL HOLES 62-4 AND 62-7, TOGETHER WITH THE LOGS OF DRILL HOLES 62-5 AND 62-6, AND IT IS MY OPINION, THAT THE MINING AS PROJECTED HEREON UNDER THE SAFETY ZONE AREA AND CONEMAUGH RIVER, WILL NOT CREATE ANY UNUSUAL MINING CONDITIONS AND THE PLAN IS HEREBY APPROVED.

PAUL L. BOTSFORD, P. E.
 ENGINEER FOR
 H. E. CLARK INTERESTS INC. - OWNER
 DATE

I HAVE EXAMINED THE PLAN OF MINING AS HERE PROJECTED, AND THE STRATA FROM DRILL HOLES SITUATE ON EACH SIDE OF THE CONEMAUGH RIVER AT THE LOCATIONS HERE SHOWN, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, FEEL THAT THE MINING OF THE COAL SEAM AS INDICATED, WILL NOT SUFFICIENTLY DISTURB THE OVERLYING STRATA TO BE HAZARDOUS.

ROBERT G. GOSSER, P. E.
 ENGINEER FOR TUNNELTON
 MINING COMPANY
 DATE

APPROVED:
 DEPARTMENT OF MINES AND MINERAL INDUSTRIES
 SECRETARY

DEPUTY SECRETARY

DISTRICT INSPECTOR

MINING ENGINEER

DATE

DATE

DATE

DATE