



## United States Department of the Interior



OFFICE OF SURFACE MINING  
Reclamation and Enforcement  
Harrisburg Field Office  
Third Floor, Suite 3C  
Harrisburg Transportation Center  
4th and Market Streets  
Harrisburg, PA 17101

April 23, 1993

Mr. Terry Fabian, Deputy Secretary  
Mineral Resources Management  
Department of Environmental Resources  
P. O. Box 2063  
Harrisburg, PA 17105-2063

Dear Mr. Fabian:

This office has received several inquiries regarding the Field Office's March 30, 1993, correspondence to you regarding House Bill 1828 currently being considered by the Pennsylvania Legislature. This letter identified potential areas of concern with the pending subsidence legislation in consideration of 1992 Energy Policy Act amendments to the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The recent inquiries indicate the Field Office's letter has been interpreted, at least in some respects, as a condemnation of The Mine Mediation Project Bill. The purpose of this letter is to clarify that the concerns raised were for informational purposes and not intended as either a denial or an approval of the current legislative proposals.

The proposed Pennsylvania legislation contains additional property protection requirements and implementation provisions at a level of detail not specified in the 1992 Energy Policy Act amendments to SMCRA. The 1992 amendments specifically require the Office of Surface Mining Reclamation and Enforcement (OSM) to promulgate Federal rules to implement the 1992 subsidence and water replacement requirements. The March 30, correspondence identified areas in HB 1828 containing detailed implementation provisions having no counterpart in the Energy Policy Act amendments where, ultimately, conflicts or inconsistencies may develop with Federal regulations as implementation rules are promulgated. Again, please understand the Field Office review comments of HB 1828 should not be interpreted as either an endorsement or condemnation of current legislative proposals.



Please excuse if this matter has caused any inconvenience. As always the Field Office is available to provide whatever assistance is needed. If you have any further questions please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. J. Biggi".

Robert J. Biggi  
Director  
Harrisburg Field Office





## United States Department of the Interior



OFFICE OF SURFACE MINING  
Reclamation and Enforcement  
Harrisburg Field Office  
Third Floor, Suite 3C  
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4th and Market Streets  
Harrisburg, PA 17101  
April 7, 1993

Mr. Terry Fabian, Deputy Secretary  
Mineral Resources Management  
Department of Environmental Resources  
P. O. Box 2063  
Harrisburg, PA 17105-2063

Dear Mr. Fabian:

This is to inform you of several concerns identified by the Field Office in 1992 Pennsylvania House Bill 1828. Review of the bill was done in context of the 1992 amendments to the Federal Surface Mining Control and Reclamation Act (SMCRA). The principle areas of concern relate to water supply replacement and compensation for structural damage due to mine subsidence.

The first area of concern deals with water supply replacement. The 1992 SMCRA amendments clearly establish domestic and drinking water supply replacement requirements on underground mining operations. This replacement requirement is absolute with no limitations or qualifications. The Pennsylvania House Bill provides several limitations on operator replacement liability including a specific time frame (2 years) for the affected party to register a complaint and a three year limitation following mining for a water supply to be impacted. In addition, operators are exempted from liability based on property owner denying access for pre-mining survey. No such limitations were provided in the Federal Law. Similarly, there are no Federal provisions which allow compensation for water loss and pre-mining agreements for compensation for potential water loss.

The second area relates to subsidence damage. Federal requirements addressing subsidence damage to structures is limited to prompt replacement or repair of material damage to occupied residential and non-commercial buildings. The Pennsylvania legislation goes beyond these requirements providing restoration or compensation for all damage to any buildings available for public access, as well as residential and agricultural structures. The areas of concern identified in the review deal with provisions limiting operator liability where denied access to conduct a pre-mining survey and those providing for pre-mining compensation agreements. The pre-mining agreement provisions appear inconsistent with existing program




requirements to plan not to cause material damage. In addition, HB 1828 establishes procedures for securing repair or compensation which provide a six month period for dispute resolution before PADER can investigate a subsidence related damage complaint or order a responsible operator to repair damage. SMCRA requires the prompt repair or compensation for material damages caused by subsidence.

Analysis of these statutory provisions is limited until such time Federal rules are promulgated that more fully define and implement the 1992 SMCRA subsidence amendment. The purpose of this correspondence is to advise you of the potential conflicts that exist between pending Pennsylvania subsidence legislation and the recently revised SMCRA requirements.

The Field Office is available to provide whatever assistance may be needed. If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

  
Robert J. Biggi  
Director  
Harrisburg Field Office









**TYPICAL PRE-MINING AND POST-MINING SURVEYS PERFORMED BY LONGWALL OPERATORS**

**Davis and Sons General Contracting, Inc.**

**RR 1 Box 79 Spraggs, PA. 15362**

**WV006064**

July 1, 1998

Cyprus Amax Resources Corporation  
RT. 218 South  
Waynesburg, PA. 15370

ATTN: Mr. Brad Miller  
Mr. John Cole

RE: Pre-mining survey of the [REDACTED] residence.

Gentlemen,

Davis and Sons General Contracting, Inc. thanks you for allowing us the opportunity to prepare the pre-mining video and written report of the [REDACTED] residence as seen on June 16, 1998. Davis and Sons wishes to stress to all parties involved that this video and report is presented in an unbiased way and is only a documentation of the property on the above noted date. Below is our findings:

**Attic**

- Brick Chimney - has been built with a slight lean - brick has cracked on front of chimney - mortar is loose around the edges or not placed originally
- Exposed rafter - large high ceiling
- Wooden floor - good condition
- No methane found 0.0 reading
- Door going into attic - shuts correctly and latches

**Stairwell going down to 2<sup>nd</sup> Floor**

- Wooden stairs
- Plastered walls with wall paper - deterioration - rough edges showing
- Splitting/Cracking showing in the wall paper
- Slight wrinkle in the wall paper on the right wall
- Splitting is noted in the wall paper - this is typical throughout the area

**Upstairs Bedroom - Green**

- Plastered walls
- Wall papered - painted over
- Some seams are showing throughout the room
- Border at the ceiling line
- Back wall - in active chimney - tiled over and closed

- Paneled wall
- Various and multiple seams are showing throughout this room
- Slight cracking to the right of the front window at the edge
- Plaster ceiling - various cracks showing
- No methane found 0.0 reading
- Carpeting on the floor

#### Bedroom

- Wall papered walls
- Plastered ceiling - painted - was wall papered at one time
- Rough finish - right wall as you face the home
- Door shuts correctly - will not latch - no knob

#### Bedroom in front of the Stairwell

- Wall papered walls
- Fireplace - has been closed up - wooden hearth - tile all around it - one small crack in the front center
- Carpeting on the floor
- Ceiling - painted - was wall papered at one time - can see signs of cracks showing through the wall paper
- Ceiling fan
- Various and multiple separations showing on the ceiling
- No methane found 0.0 reading
- Door shuts - will not latch - it wants to come open

#### Bathroom

- Wainscoting of vertical wood
- Plaster wall above
- Closet door - top right corner - there is a crack running vertically and branching
- Above the window - on the right wall - there is a vertical crack showing
- And also at the built out area - there is a large crack showing - it does come off the ceiling and goes down to the access panel
- Left corner - back wall - with your back to the door - it does show a separation coming from the ceiling line
- Near the vanity mirror to the right - there is a separation going to the door frame
- Vinyl on the floor
- Door shuts correctly - spacing appears good
- Behind the door there is some slight separations showing
- Ceiling in this area is typical to the other rooms
- Various splits and cracks running throughout
- No methane found 0.0 reading

#### Hallway

- Wall paper on the walls
- Plaster ceiling - can see some separations in the ceiling above the stairwell
- This ceiling is in better condition than what has been seen in the other rooms

#### Stairwell going to the 1<sup>st</sup> Floor

- Carpeting on the stairs
- Wall papered walls - some seams showing
- Wooden hand rail - very good condition
- Crack in plaster ceiling - above the landing
- And also on the bottom side you can see a crack
- Top right corner of the door at the landing you can see a wrinkle showing
- Very slight crack showing in the plaster

#### Living Room

- Entrance Door
- Wall papered walls
- Gas insert heater - tile around the fireplace
- Some tile on the floor has pushed slightly - in the center there is two tile that cracked
- Various cracks showing on the ceiling
- Front entrance door shuts correctly - it shows good spacing
- Vinyl - front step in area in front of the door
- Ceiling fan
- Various separations can be seen throughout the ceiling - one near the chimney area

#### Formal Living Room

- Wall papered walls
- Border at the ceiling line
- Gas heater inserted into the fireplace
- Two tile are cracked in the center - there is also a separation showing in the tile on the floor
- Ceiling is painted - wall paper over plaster - can see various wrinkles showing in this area - this is typical to all other ceilings that have been viewed
- There was a set of pocket doors that has been sealed over

#### Formal Dining Room

- Wall paper on the walls
- Back wall - top right corner - seam showing - wall paper is peeling
- Back door - shuts and latches correctly - spacing is good
- Left wall - seam showing at the ceiling line
- Front left corner - wrinkle showing at the ceiling line
- Fireplace - tiled over at this point
- Carpeting on the floor - hardwood floor underneath of it
- Along the right wall - the hardwood floor is exposed
- Ceiling is typical to others that were noted - there is various and multiple separations showing throughout
- Door shuts - it is tight - it does not want to latch - the spacing appears good

#### Small area off of Kitchen

- Paneled walls
- Small stove and refrigerator

- 12 x 12 tile on the ceiling
- Tile on the floor
- No methane found 0.0 reading

#### Kitchen

- Vinyl on the floor
- Cabinet shut correctly - good condition
- Wall paper on the walls
- Border at the ceiling line
- Doorway - used to be a stairway
- Ceiling has been wall papered also - you can see some typical seams
- Wrinkles showing throughout the ceiling
- Back door will shut forcefully
- No methane found - 0.0 reading

#### Basement

- Plastered area
- Can see a large crack to the right of the door at this landing area
- Door shuts correctly - spacing is good
- Various cracks showing in the plaster
- Can see some of the foundation wall
- Masonry walls
- View here of the chimney foundation - good condition
- No methane found - 0.0 reading
- Concrete floor - good condition
- Bathroom area - shower - masonry block
- No methane found - 0.0 reading
- Gas stove
- Small area - you can see the existing stone foundation - it has been painted
- Hot water tank in this area
- Concrete floor - rough finish in areas - cracks showing in areas
- Water lines enter the home - no methane found - 0.0 reading
- Mr. Lemley stated that his home is supplied with water from a water well - he is unsure if it is vented correctly

#### Back Storage Room

- Masonry divider wall
- Concrete floor - good condition
- Can see some of the original stone foundation - used for storage
- No methane found - 0.0 reading
- Chimney foundation - excellent condition
- Brick is in excellent condition
- Stone foundation - painted over

### Exterior

- Wood siding
- Shingled roof
- Porch off of kitchen
- Concrete pad - painted - good condition
- Chimney - some mortar is loose possibly - hard to see due to the distance
- Ridge line appears good
- Wood ceiling
- Porch off of dining room
- Concrete pad
- Sidewalk in this area - some cracks showing in different areas - humping can be seen
- Wood ceiling
- Can see the original stone foundation - some mortar is loose
- Cut stone - loose mortar
- Concrete steps - they have pulled slightly from the stone foundation on both sides
- Loose mortar in various areas but overall they are in very good condition
- Wood posts on front porch
- White aluminum railing
- Gutter appears to be in good condition
- No methane found - 0.0 reading near the outside vent
- Chimney - loose mortar - tough to tell due to the distance
- Small concrete pad
- Water well - no methane found - 0.0 reading
- Laid in place stone as a sidewalk - going out to a small barn

### Small Barn

- Stone foundation
- Mortar falling away in various areas
- Various cracks showing
- Some stone has shifted at the corners
- Shingled roof
- Ridge line is good
- Wood siding
- Ditch line
- Culvert
- Block retaining wall near the road
- There is a stair stepping mortar joint crack at the right corner
- Various and multiple cracks showing on this retaining wall
- Concrete steps leading up to the home
- Separation showing to the right - they have pulled away from the retaining wall
- Some separations are showing in the sidewalk - it is in very good condition

### Building

- Concrete floor - various and multiple cracks in the floor
- Used for storage



### Craft Store

- 1<sup>st</sup> floor
- Wooden floor
- Aspenite walls
- Full of craft items
- Unfinished loft
- Door shuts correctly - spacing is good

### Downstairs (Basement)

- 3 masonry walls
- Used for storage
- One wall is stone
- Mortar joint separation - stair stepping down from the door - it runs approximately 3 courses
- Various cracks showing throughout the walls
- Window on the right wall - can see a stair stepping mortar joint crack - it goes out of sight behind the stored items
- Back wall - top course - block wall does show some mortar joint separations
- Left side - mortar joint separation top course
- There is a mortar joint crack stair stepping down - working its way to the jamb area of the door
- Stone wall - facing the right corner - slight crack showing - approximately 5 feet from the right corner - top area - showing up again - working it way down the wall - its minor
- Approximately 5 feet from the left corner a crack can be seen working its way into the stone
- Facing the door - you can see there is a mortar joint separation that comes off the right top edge
- Concrete floor in this area - good condition
- Near the drain - you can see a minor separation in the floor
- Open joist ceiling
- Back right corner - stair stepping mortar joint separation coming down 6-7 courses
- Man door
- Stone retaining wall - shows signs of pushing - various and multiple cracks throughout the wall

### Exterior - Craft Shop

- Sidewalk in front - good condition
- Split rail type fence
- Wood siding on building
- Metal standing seam roof
- Ridge line appears good
- Various and multiple cracks showing in the masonry block foundation
- Septic is in field across from home

Thank you once more for this opportunity. Any questions or concerns that you may have I would be glad to answer.

Sincerely,

Greg Rose  
Davis and Sons General Contracting, Inc.



4' 6 3/8" #3      4' 6 3/8" #3      4' 8 3/8" #1

4' 6 3/4" #3

4' 8 3/8" #3

WP #3  
4' 8 3/8"

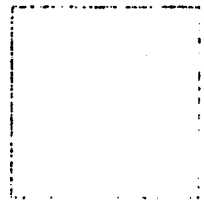


4' 8 1/8" #1

4' 8 1/2" #1

4' 8" #1

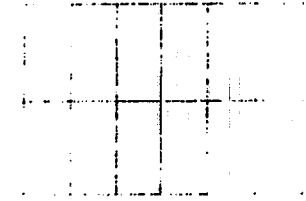
4' 7 5/8" #2



4' 8 1/4" #1



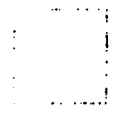
#1  
4' 8 1/2"



Work Point #1  
4' 8 1/4"

4' 7 3/4" #1

WP #2  
4' 8" #2      4' 8 1/4"



#1  
4' 8 3/4"

4' 8 7/8" #1

4' 8 7/8" #2

4' 9" #2

4' 9 3/8" #1

4' 9 1/8" #1

**Davis and Sons General Contracting, Inc.**

**RR 1 Box 219, PO Box 10, Spraggs, PA. 15362  
(724) 435-7135 – Telephone (724) 435-9851 - Fax  
WV006064**

June 13, 2000

RAG Emerald Resources, LP  
RT. 218 South  
Waynesburg, PA. 15370

ATTN: Mr. Brad Miller  
Mr. John Cole

RE: Post Mining Survey of the [REDACTED] Residence

Gentlemen,

Davis and Sons General Contracting, Inc. thanks you for allowing us the opportunity to prepare the post mining video and written report of the [REDACTED] residence as seen on June 13, 2000. Davis and Sons wishes to stress to all parties involved that this video and report is presented in an unbiased way and is only a documentation of the property on the above noted date. Below is our findings:

Attic

Storage area

Brick chimney is built with a slight lean as mentioned in the pre-mining video

Chimney showing very little difference from pre-mining video

High ceiling - exposed wooden rafters throughout attic – good condition

Wooden floor throughout – good condition

Six windows in attic – all windows in good condition – no cracks or broken jobs

Stairway Going Down to Second Floor

Wooden stairs – good condition

Walls are plaster with wall paper finish – top of wall is deteriorating – wall paper is peeling and cracking (This was noted in the pre-mining video)

Wooden floor at middle landing – good condition

Door to attic area does shut and latch correctly

### Upstairs Bedroom Green

Walls are plaster with a painted finish

Some seams are visible throughout walls (This was also noted in the pre-mining video)

Closet door does shut but will not latch

One wall in bedroom is wooden paneling

Fireplace on this wall – it has been tiled over

No apparent damage to tile around fireplace

Ceiling is plaster with painted finish – there are various cracks throughout ceiling (This was also mentioned in pre-mining video)

Mr. Lemley has stated that these cracks have increased in size and more cracks have been noted

Slight cracking to the right of front window (This crack was also mentioned in the pre-mining video)

Carpeted floor – good condition

Bedroom door does shut – it does not stay shut and it does not latch

### Second Bedroom

Plaster walls with a wallpaper finish on three walls – one wall is plaster with a painted finish

No apparent cracks throughout plaster with a painted finish

Ceiling is plaster with a painted finish – ceiling lines are visible – ceiling was wallpapered at one time then painted over

Wrinkle starting at light fixture on ceiling – this wrinkle runs approx. 4 ft in length

Crack or wrinkle above closet door approx. 2 ft in length

Closet door shuts and stays shut

Carpeted floor – no apparent damage

On right wall, left of closet there is a crack in the plaster – crack is zig zagging approx. 2-3 ft in length

### Third Bedroom

Plaster walls with wallpapered finish – various seam lines are visible throughout walls

Fireplace that has been closed up – tile all around fireplace – crack in front center of tile (This was also mentioned in pre-mining video)

Mr. [REDACTED] has stated that where vertical tile meets tile laying flat that there is some separation and that this has happened recently

Ceiling is plaster with a painted finish – it was wall papered at one time – various cracks and wrinkles throughout (This was also observed in the pre-mining video)

Carpeted floor – no apparent damage

Door to bedroom does shut – it does not stay shut, it opens back up approx. 2 inches

Closet door shuts and stays shut but does not latch – very large separation at top right handle side

Slight separation between ceiling line and trim – typical throughout room

### Hallway

Closet door does not shut – it is hitting at top left handle side

Walls are plaster with a wall papered finish – visible wrinkles and seams throughout hall

Carpeted floor – good condition

Mr. [REDACTED] has stated that floor has become squeaky when walked upon

### Bathroom

Bottom of wall is wainscoting

Top of wall is plaster with a painted finish

Crack on right wall above window (This was also mentioned on pre-mining video)

Crack at top right corner of closet door, it runs approx. 1 ft and then branches off (This was also mentioned on the pre-mining video)

Crack starting at ceiling above right window on right wall – it comes off ceiling and runs down to the access panel (This was also mentioned in the pre-mining video)

Crack left of window on back wall (This was also noted in the pre-mining video)

Right of vanity mirror above sink – there is an additional crack running to the door frame (This was observed in the pre-mining video also)

Mr. [REDACTED] has stated throughout this bathroom there are additional cracks

Crack on left wall after entrance (Crack was not here during pre-mining video)

Crack at top left of window on right wall (Crack was not here during pre-mining video)

Ceiling is plaster with a painted finish – typical to other rooms

Various cracks and splitting throughout (This was also noted in the pre-mining video)

Closet door does not shut - hitting top right handle side (This door was stated in the pre-mining video that it did shut correctly and spacing was good)

#### Stairway Leading to First Floor

Carpeted stairs – good condition

Wooden handrail – good condition

Plastered walls with a wallpapered finish – various seams showing throughout (This was also seen on the pre-mining video)

Wrinkle in wallpaper – top right corner of closet door to middle landing (This was also noted on pre-mining video)

Crack in plaster above middle landing (This was noted on pre-mining video also)

Separation on ceiling above landing, close to crack just mentioned (crack was not mentioned on pre-mining video)

Looking at steps on third step down that is visible, a piece of trim has popped off, Mr. Lemley stated that this happened recently

#### Living Room

Walls are plaster with a wallpaper finish – various wrinkles throughout

Fireplace with gas insert – tile laid in front of heater has pushed up, there are two additional tile that have cracked also

Mr. ██████ stated that at base of tile there has been some recent separation

All other tile are in good condition

Front entrance door does shut and latch correctly – spacing is fine

Floor covering at entrance door is in good condition

Plaster ceiling with a painted finish

Remainder of floor covering is carpet – good condition

#### Formal Living Room

Walls are plaster with wallpaper finish – no apparent damage

Ceiling is plaster with a painted finish – typical to pre-mining video – wrinkles and seam lines are visible

Carpeted floor – good condition

Fireplace with gas insert – two tiles above heater are cracked – separation in the tile floor (These thing were also noted on the pre-mining video)

On right side of heater there is a separation where vertical tile meets floor

#### Dining Room

Walls are plaster with a wallpaper finish – typical to pre-mining video – various wrinkles and separations

Mr. ██████ has stated that partition wall with kitchen area approx. midway down wall there is a separation with ceiling line and wall

Back entrance door does shut and latch correctly

Fireplace is covered – tile that is visible is in good condition

Carpeted floor – good condition

Door leading from dining area to living room does shut with a lot of force

Ceiling is typical to pre-mining video – no further damage



### Small Room off Kitchen

Walls are wooden paneling

12x12 ceiling tile – tile is slightly hanging above cabinets to the right after entrance

All cabinets shut correctly

Vinyl floor tile – tile that is visible is in good condition

### Kitchen Area

Walls are plaster with a painted finish

All cabinets are shutting correctly

No damage to countertop

Ceiling is plaster – wallpapered at one time it is now painted – wrinkles and seams are visible this is typical with the pre-mining video also

Rear entrance door does shut with a lot of force, it appears to be rubbing on top right handle side (This door shut with a lot of force in the pre-mining video also)

Looking with your back to the front door entrance – Mr. [REDACTED] has stated that floor is weak and squeaks when walked upon

### Basement

Stairway down to basement

Walls are plastered with a painted finish

Crack that has been painted over to the right of the kitchen door (This crack was noted during the pre-mining video also)

Exterior door does shut and latch correctly – spacing is greater on top right handle side

No apparent cracks in plaster or stucco finish on basement walls – not a lot of viewable area

Chimney has no apparent damage

Bathroom area – concrete block walls and a stone wall – no apparent cracks throughout walls

Concrete that toilet is on has no apparent cracks or damage

Ceiling is exposed wooden floor joist

Bathroom appears in good condition

Majority of floor is covered with throw rugs – what concrete that is visible has no apparent cracks

#### First Storage Area

Left wall is concrete block – no apparent damage

Front and right wall is stone foundation – good condition

Floor is concrete – water is laying along walls – no major cracks

#### Second Storage Area

Concrete floor – no apparent damage

Open wooden floor joist ceiling

Stone foundation – good condition

Concrete block walls – good condition

There are three brick supports in main basement area – no apparent damage – good condition

#### Exterior

##### Front Side

Wooden siding with a painted finish – good condition

Steps to porch have pulled away from foundation (This was also noted in the pre-mining video)

Gutter is hanging properly

Left side of steps are also pulling away from foundation (This was noted in the pre-mining video as well)

Concrete sidewalk – some slabs are cracked and leaning (This was also noted in pre-mining video)

#### Left Side

Wooden siding with a painted finish – good condition

Left front corner of porch – stone piers – mortar is missing on top two stones

Left front of foundation under house – area approx. 3 ft. left where mortar is missing

#### Back Side

Shingled roof – good condition

View of backside of chimney appears that no mortar is missing

Wooden siding – good condition

Shingles above porch – good condition

Gutter is hanging properly

Concrete slab on back right side – no apparent cracks

Concrete slab on back left side of house – no apparent damage

Entrance door to kitchen – to left of door there is a crack between concrete and house – ~~Mr. [REDACTED]~~ has stated that crack started out smaller but has increased in size

#### Right Side

Wood siding with painted finish – good condition

View of right side of chimney – appears to have mortar missing in various areas – nothing major

Stone foundation – mortar missing in various areas

Right front corner of porch – stone piers – mortar is missing in top two stones

Mr. ~~[REDACTED]~~ has stated that he no longer has an active well – he now has city water

#### Small Barn

Vertical wood siding

Stone foundation

Some stone laid dry  
Siding – good condition

Roof is shingled – appears that there is a bow throughout roof

Back side

Barn boards are deteriorating

Back right of foundation is visible and has been laid dry

Left Side

Shingled roof – better condition than front side – there is a slight bow on this side also

Vertical wooden siding

Interior of Barn

Concrete floor – very rough – cracks throughout

Retaining wall

Concrete block

All mortar is present

Some cracks throughout wall (This was noted in pre-mining video)

Wall appears to be leaning towards the road very slightly

Craft Store

Front Side

Wooden siding with a painted finish – good condition

Metal roof – on front right side area on ridge cap that has popped loose

Concrete sidewalk – good condition

Left Side

Wooden siding with a painted finish

Gutter is hanging straight along front and left side of building

Concrete block foundation – no visible damage

Right Side

Gutter hanging properly

Metal roof is laying flat

Wooden siding – good condition

Concrete block foundation – separation above door between block and siding

Large separation above door in concrete block

Pre-mining video states that there is various cracks throughout foundation. The cracks that are listed below are fairly large cracks and are worth mentioning

Crack at top left of door stair stepping up and left approx. two block in length

Crack at top right of man door running right and stair stepping down – appears that is extends to the ground

Small separation above window approx. two block in length

Crack in window ledge through mortar joints stair stepping down and right approx. three block in length

Mortar separation in back right corner stair stepping down and left approx. five block in length

Retaining wall laid in stone – areas in middle of wall that has mortar separation

Basement of Craft Shop

Front wall is stone – good condition

Remaining walls are concrete block

Mortar separation starting at top left of door running left three block and stair stepping down six block in length

Mortar separation at top of window stair stepping down six block in length

Mortar separation at top of window stair stepping down and right two blocks

Concrete floor – concrete that is visible has no apparent cracks

Exposed wooden floor joist

Wooden beam running down center

Three metal support post – all are standing upright

### First Floor of Craft Shop

Walls are unfinished plywood

Typical barn wooden floor – laying fairly flat – no apparent damage

Door is tight when trying to open it does properly latch

Exposed wooden floor joist – good condition

### Changes noticed from Pre-Mining Video to Post Mining Video

#### Upstairs Bedroom Green

It was stated that cracks in plaster have increased in size and more cracks have been noticed

#### Second Bedroom

Wrinkle at light fixture approx. 4 ft in length. This is in wall paper on ceiling

Crack or wrinkle above closet door approx. 2 ft in length

On right wall, left of closet there is a crack in plaster zig-zagging approx. 2-3 ft in length

#### Third Bedroom

It was stated that where vertical tile meets tile laying flat around fireplace there has been some separation

Separation between ceiling line and trim throughout this room

#### Hallway

It was stated that floor has become squeaky when walked upon

#### Bathroom

It was stated that there are additional cracks in bathroom

Crack on left wall after entrance

Crack on top left of window on right wall

Closet door does not shut now – it is hitting on top right handle side

#### Stairway Leading to First Floor

Additional separation on ceiling above landing

Third step from top – the trim has popped off

**Living Room**

It was stated that base of tile on fireplace has had some recent separation

**Frontal Living Room**

Right side of heater there is a separation where vertical tile meets floor

**Dining Room**

It was stated that partition wall with kitchen area approx. midway down the wall there is a separation with ceiling line and wall

**Basement**

Exterior door on stairway has greater spacing on top right handle side

**Exterior**

Back right side concrete porch slab there is a separation between concrete and house

**Small Barn**

Roof is slightly bowing

**Retaining Wall**

Wall appears to have a slight lean towards the road

**Craft Store**

Metal roof on front right side there is an area where ridge cap has popped loose

New cracks that are visible in various areas of foundation

Entrance door to the shop is real tight when shutting

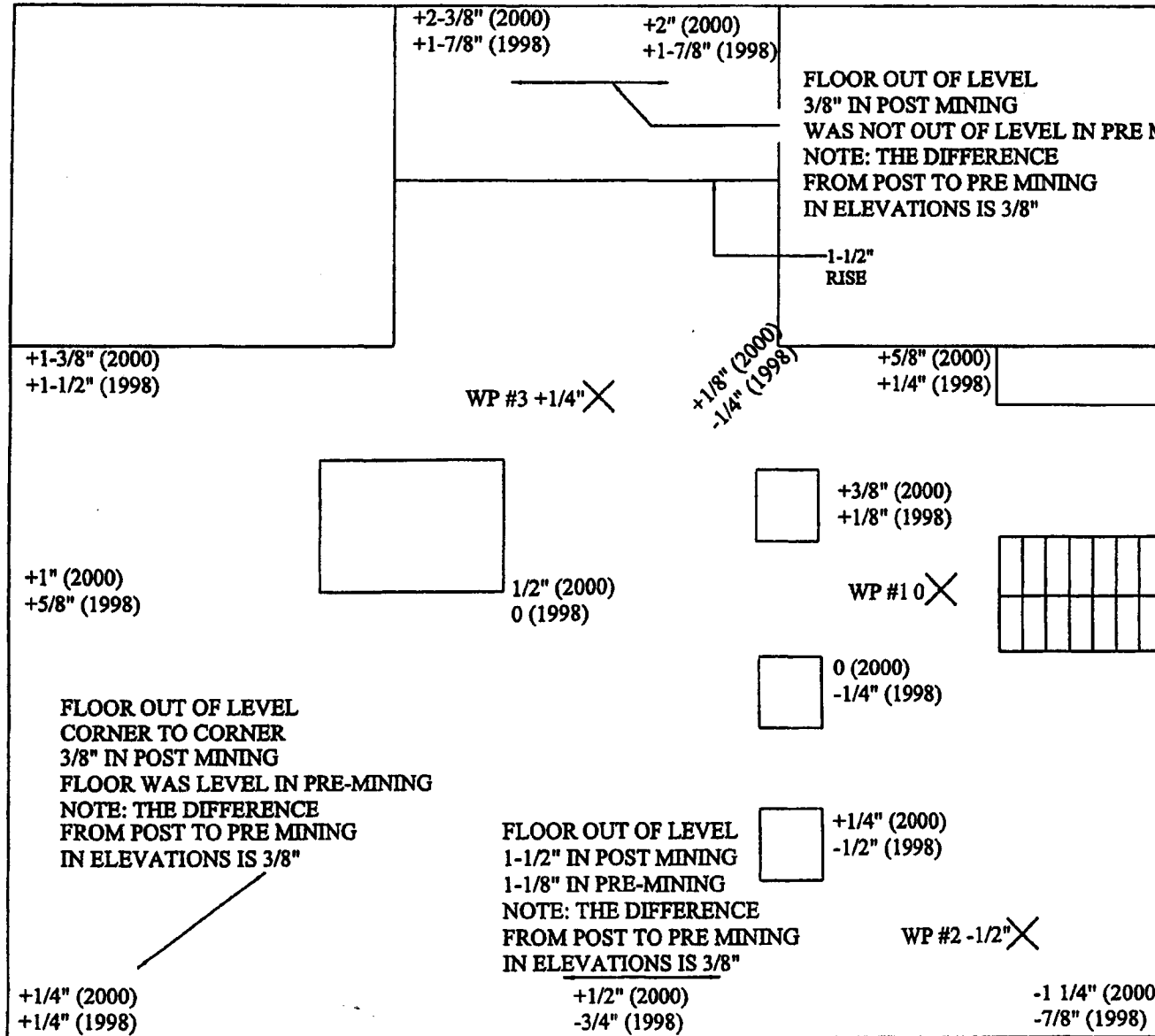
Thank you once more for this opportunity. Any questions or concerns that you may have I would be glad to answer.

Sincerely,

*William C Davis*

William C. Davis, Vice President  
Davis and Sons General Contracting, Inc.

POST MINING SURVEY FOR ██████████ RESIDENCE



DRAWN BY:  
S. RABER

DATE  
6/13/2000

DAVIS and SONS  
GENERAL CONTRACTING, INC.  
RR #1 BOX 219, PO BOX 10, SPRAGGS, PA 15362

PROPERTY OWNER  
██████████, PA

NOT TO SCALE



**TYPICAL PRE-MINING AND POST-MINING SURVEYS PERFORMED BY ROOM &  
PILLAR OPERATORS**

# ***TANOMA MINING COMPANY***

**R.D. #1 BOX 594  
MARION CENTER, PA 15759  
724-344-8833**

## ***Property Inspection Report***

## PROPERTY INSPECTION REPORT

**Tanoma Mining Company  
R. D. #1 Box 594  
Marion Center, PA 15759**

Owner: : [REDACTED]  
Address: : R D [REDACTED]  
[REDACTED] PA, [REDACTED]

**DATE OF INSPECTION: 7/12/99**

The following is a Property Inspection Report of conditions observed in the Building(s) identified in this report. Included are the transcriptions describing the exterior and interior of the structure, along with the exterior and interior photographs.

\*\* Wall #1 is the wall wherein the room is entered. Wall #2, 3, 4, etc. are numbered as the observer proceeds from left to right around the room. \*\*

### INSPECTION DONE BY:

Matt Bonanno

*Matt Bonanno*  
(signature)

# PROPERTY INSPECTION REPORT

## General Information

**DATE OF INSPECTION:**

**PROPERTY OWNER:  
ADDRESS:**

**PHONE NUMBER:**

**JOB NAME:**

**LOCATION:**

**FOOTING ON:**

**DESCRIPTION OF LOT:**

**CHIMNEY(S):**

**FIREPLACE:**

**OTHER BUILDINGS:**

**WELL  
INFO:**

**Elevation  
1361**

**Depth  
87**

**Diameter  
6**

**Softener  
Treatment**

**TAX  
ID #:**

**R&P Coal Tracts**

**Township: Rayne  
County: Indiana  
Date Built: 1971**

**CONDITION OF BUILDING:**

**Code - (N) New, (G) Good  
(F) Fair, (P) Poor**

**Siding: (G) Brick**

**Gutters: (G)**

**Downspouts: (G)**

**Foundations: (G) C. Block**

**Porch(es): (G)**

**Windows: (G)**

**Walkway(s): (G)**

**Driveway(s): (G) Paved**

**Chimney(s): (G) Brick**

**Original Ground: ✓  
Fill:**

**Level: ✓  
Sloped to Front:  
Sloped to Back:  
Sloped to Side:**

**Brick: ✓**

**Stone:**

**Cement Block: Metal:**

**Brick:**

**Stone:**

**Other:**

**Shed(s):**

**Barn(s):**

**Garage(s):**

**Other:**

# PROPERTY INSPECTION REPORT

DATE OF INSPECTION: 7/12/99

PROPERTY OWNER: [REDACTED]

## FRAME CONSTRUCTION:

Wood Framed: ✓  
Planked:  
Concrete Block:  
Other:

## EXTERIOR FINISH

Brick: ✓  
Stone:  
Wood:  
Alum/Vinyl:  
Other:

## BASEMENT CONSTRUCTION

### WALLS:

Concrete Block: ✓  
Stone:  
Tile:  
Other:

### FLOORS:

Concrete: ✓  
Dirt:  
Other:

## MAIN BEAM

Steel "I" Beam: ✓  
Wood:  
Wall Support:  
No Main Beam:

## STRUCTURE TYPE:

Residential: ✓  
Commercial:

## ARCHITECT DESCRIPTION

Si-level: ✓  
Bi-level:  
Tri-level:  
Split Entry:  
Double Wide:  
Traylor:  
Ranch:  
Other:

## ROOF

Shingle: ✓ (G)  
Tile/Slate:  
Tar/Chip:  
Tar Paper:  
Metal:

## FLOOR JOISTS

Steel "I" Beam:  
Wood: ✓

Comments:

# PROPERTY INSPECTION REPORT

## EXTERIOR

**FRONT SIDE:** ✓  
Garage #13, #24  
Steps  
Flower Bed #23

**LEFT SIDE:**...

**BACK SIDE:**  
Porch

**RIGHT SIDE:**  
Chimney

### SIDING

Alum/Vinyl:

Wood:

Brick: ✓

Masonite:

Tar Paper:

Insul Brick:

Asbestos:

Shingles:

Other:

Condition: (G)

### FOUNDATION:

Cement Block:

✓

Stone:

Tile:

Brick:

Cement Slab:

N/A:

Other:

Condition: (G)

### WINDOWS

Single Pane:

Storm Window:

Double Pane: ✓

Triple Pane:

Condition: (G)

### PORCH

Wood:

Cement:

Covered: ✓ Brick

Other:

Stone:

Condition: (G)

### STEPS

Cement: ✓

Brick:

Wood:

Blocks:

Condition: (G)

### CHIMNEY

Brick: ✓

Cement Block:

Metal:

Stone:

Condition: (G)

Comments:

Key for Conditions:

(N) New, (G) Good, (F) Fair, (P) Poor, (U) Under Construction

# PROPERTY INSPECTION REPORT

## INTERIOR

### ROOM

Living Room:  
Kitchen:  
Dining Room:  
Bedroom #1:  
Bedroom #2:  
Bedroom #3:  
Bedroom #4:  
Laundry Room:  
Bathroom:  
Family Room:  
Furnace Room:  
Basement: ✓  
Other: Garage

### WALLS

Plaster/Drywall:  
Paneling: ✓  
Wood:  
Paper:  
Marlite:  
Cement Block:  
Brick:  
Other:

### CEILING

Plaster/Drywall  
Ceiling Tile:  
Wood:  
Open: ✓  
Paper  
Marlite:  
Other:

### FLOOR

Carpet:  
Linoleum:  
Wood:  
Cement: ✓  
Tile:  
Other:

Comments:  
Numerous cracks throughout  
basement floor.

### Key for Conditions:

(N) New, (G) Good, (F) Fair, (P) Poor, (U) Under Construction

## TANOMA'S SUBSIDENCE WATER REPORTS

Residence: ██████████

Tax ID Number: ██████████

Address: ██████████ PA ██████████

Phone Number: 463-0398

Well Info: Surf Elev-1361

Well Depth- ? feet

Date Sampled	7/12/99
Date Analyzed	7/13/99
Flow Rate or Static Water Elev.	
Lab PH	7.56
Alkalinity (mg/L)	102.00
Acidity (mg/L)	0.00
Manganese (mg/L)	0.18
Iron (mg/L)	0.79
Aluminum (mg/L)	0.01
Sulfate (mg/L)	31.47
Suspended Solids (mg/L)	1.60
Spec. Cond. (m-mho)	235



**TANOMA COAL COMPANY, INC**  
**600 Rayne Run Road**  
**MARION CENTER, PA 15759**  
**724-254-4001**

# **Final Property Inspection** **Report**

*I have received the Final Property Inspection Report dated April 1, 2003  
for my residence and I agree with the contents.*

  
\_\_\_\_\_  
**OWNER**

  
\_\_\_\_\_  
**OWNER**

Date: 4/1/03

## FINAL PROPERTY INSPECTION REPORT

Tanoma Coal Company Inc  
600 Rayne Run Road  
Marion Center, PA 15759

Owner: [REDACTED]

Address: [REDACTED]  
[REDACTED]

*DATE OF INSPECTION: March 28, 2003 Pictures with Final Inspection Report Dated April 1, 2003.*

The following is a Property Inspection Report of conditions observed in the Building(s) identified in this report. Included are the transcriptions describing the exterior and interior of the structure, along with the exterior and interior photographs.

INSPECTION DONE BY:

*Charles Butterworth*  
Charles Butterworth

[REDACTED]  
[REDACTED]

### Property Inspection Report

On March 28, 2003, a Final inspection was made of the residence of [REDACTED] and [REDACTED] relative to their subsidence claim of June 19, 2001. This Final Inspection Report depicts the condition of the property on April 1, 2003 the day on which this claim was settled with a Release Agreement.

A total of 36 pictures (# 67-#103 Inclusive) were taken on March 28, 2003 and the attached Exhibit C is a diagram of the residence on March 28, 2003 with corresponding picture number shown on the drawing. These pictures, together with pictures taken during the course of the investigation from June 19, 2001 to March 28, 2003, serve as a record of the condition of the property as of April 1, 2003 which is the date of the Release Agreement.

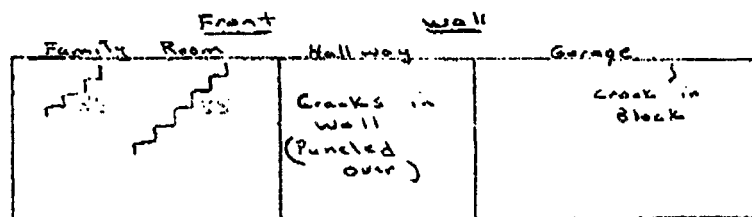
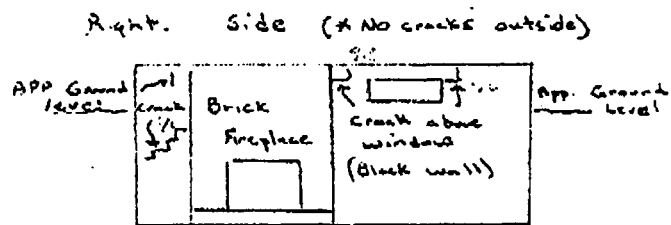
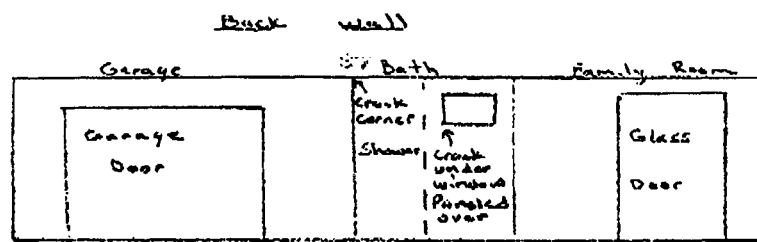
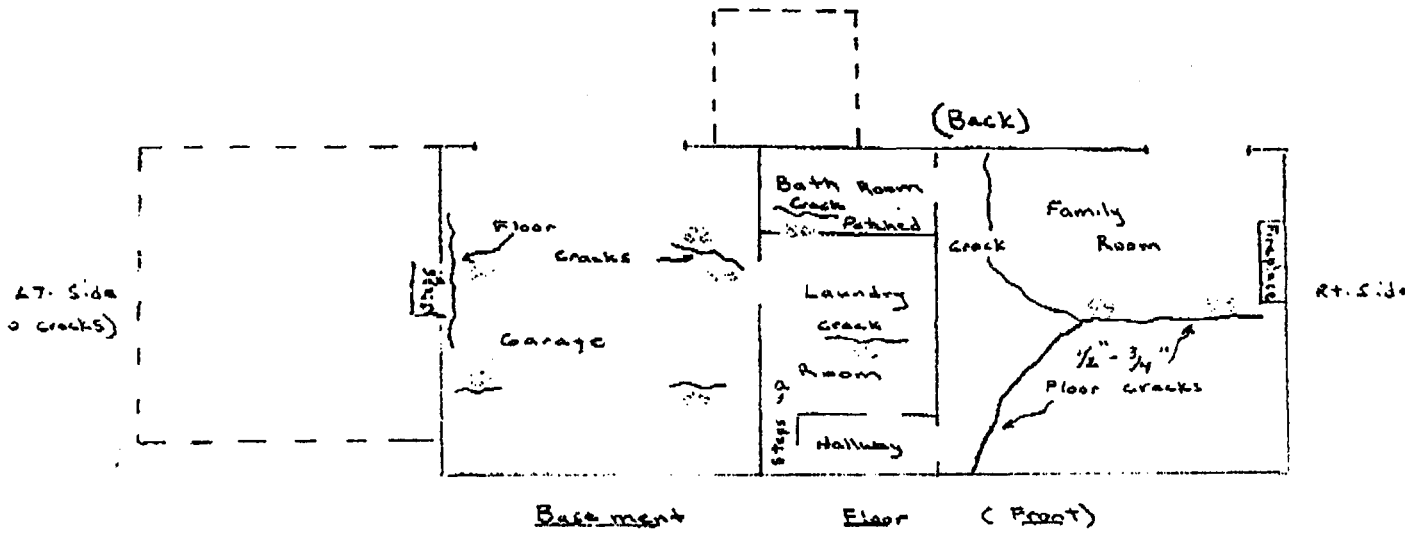
The report dated August 9, 2002, which you previously received, as well as the attached Release Agreement dated April 1, 2003, contains supporting documentation as to the condition of the Property on April 1, 2003 and is a part of this Final Inspection Report Dated April 1, 2003.

The back of each picture is identified by numbers from #67 to #103, a description, and the date the picture was taken. Normally, all of the pictures has a date stamp on the picture. However, on these 36 pictures the date stamp on the front of the picture is incorrect and the correct date is noted on the back of each picture and the property owner has affixed his signature on the back to verify the date of the picture is correct.

## EXHIBIT C

### Possible Subsidence Damage to Structures

Attached is Drawing C which depicts the possible subsidence damage to structures that existed as of the date of the Release Agreement on April 1, 2003. These 36 pictures #67-#103 inclusive, depict the condition of the property on April 1, 2003 which is the date of the Release Agreement. The property owner has been given a copy of pictures depicting the possible subsidence damage to structures that existed as of the date of the April 1, 2003 Release Agreement



DRAWING C

No Scale  
 35-34-206  
 March 28 2003











# Fact Sheet

Commonwealth of Pennsylvania • Department of Environmental Protection

## WATER SUPPLY REPLACEMENT AND SUBSIDENCE DAMAGE REPAIR UNDERGROUND BITUMINOUS COAL MINING OPERATIONS

Underground mine operators have obligations under the law to ensure the health and safety of residents affected by their mining. These obligations are required by the Bituminous Mine Subsidence and Land Conservation Act. As amended in 1994, the Act requires mine operators to restore or replace water supplies contaminated, diminished or interrupted by underground mining and to repair or compensate for subsidence damage to certain structures.

The Department of Environmental Protection (DEP) is responsible for administering Pennsylvania's mining laws and created this fact sheet to help landowners understand their rights. The law allows damages to be resolved through private negotiations between landowners and mine operators. If the parties are unable to resolve damage claims in the specified time periods, DEP can assist landowners in resolution.

### Why is Mining Allowed Under Your Property?

Pennsylvania law recognizes separate and distinct property estates between the surface and the mineral. The owner of the mineral estate (most commonly coal) has a right to this property, the same as you have rights to the surface property. In most cases, mine operators own the mineral estate for the sole purpose of recovering the coal.

Prior to the current law, homeowners who built their houses after 1966 were not protected from or compensated for damages from underground mining. Today, mining companies that own the mineral under your property are allowed by law to recover the coal, but they must repair, replace or compensate for any damages to water supplies and certain structures.

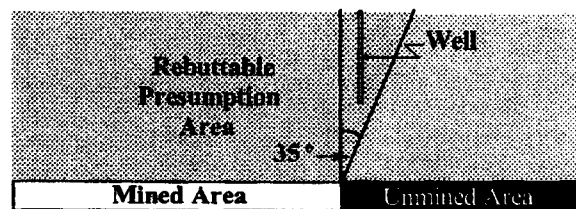
### Water Supply Restoration/Replacement

**General Requirements.** If underground mining results in the contamination, diminution or interruption of a water supply, the mine operator must restore or replace the water supply within three years. During the period while a permanent water supply is being arranged, the mine operator must provide a temporary supply. In the event that the mine operator cannot restore or replace the water supply within three years, the mine operator must either reach a settlement with the landowner or give the landowner the choice of the following options:

- Having the mine operator buy the property at its fair market value before the loss of the water supply.
- Having the mine operator pay for the reduction in the fair market value of the property resulting from the water loss.

**Special Provisions.** Prior to entering into an agreement with a mine operator, the landowner may submit a written request to DEP asking the department to review the operator's findings that an affected water supply cannot be restored or that a permanent supply cannot be reasonably provided. DEP will issue an opinion within 60 days. This opinion is advisory and will not prevent the landowner from entering into a private agreement with the mine operator.

**"Rebuttable Presumption" Area.** A mine operator is presumed responsible for affecting a water supply if the water supply is within a 35-degree angle of influence of underground mining. The area is illustrated in the drawing below.



(It is important to note that the entire well does not need to be in the rebuttal presumption area – only the wellhead.)

**Temporary Water.** A mine operator must provide a suitable temporary water supply when an affected water supply lies within the rebuttable presumption area and the affected party is without a readily available alternate source of water. The mine operator must provide the temporary water within 24 hours of receiving notification.

For water supplies outside the rebuttable presumption area, DEP will investigate the claim and order the operator to provide temporary water if mining is responsible for the impact and the landowner is without an alternate source.

**Adequacy.** A restored or replacement water supply must satisfy the landowner's current needs and reasonably foreseeable needs. Water must meet the quality standards in DEP's safe drinking water regulations, unless the original water supply did not meet those standards. If the original supply did not meet safe drinking water standards, the restored or replaced water supply must be at least similar in quality to the original supply.

**Increased Costs.** If a restored or replacement water supply costs significantly more to operate and maintain than the original water supply, the operator must compensate the landowner for the increased cost. A cost increase is significant if it is 15 percent or more than the original cost and amounts to at least \$60 per year.

**Caution.** A landowner must report water supply impacts to the mine operator or DEP within two years of their occurrence. Failure to do so may relieve the mine operator of liability to restore or replace the water supply.

### Subsidence Damage Repair/Compensation

**General Requirements.** If mining causes damage to any of the following structures, the mine operator must repair the damage or compensate the structure owner for the reasonable cost of repairs. (This provision applies to initial damage from mining and any subsequent damage caused by subsidence.)

- Buildings that are accessible to the public, including commercial, industrial and recreational buildings, and permanently affixed appurtenant structures associated with those buildings.

- Noncommercial buildings customarily used by the public, such as churches, schools and hospitals.
- Barns, silos and certain other permanently affixed agricultural structures of 500 square feet or more in area.
- Dwellings and permanently affixed appurtenant structures.
- Improvements that are appurtenant to dwellings and in place on Aug. 21, 1994, or on the date the notice of a permit application or permit renewal application is first published in a local newspaper.

Examples of "permanently affixed appurtenant structures" include storage sheds, barns, greenhouses, decks, fences, retaining walls, paved or improved patios, walks, driveways, septic treatment facilities, in-ground swimming pools, lot drainage systems, lawn/garden irrigation systems, and customer-owned utilities and cables. Examples of "improvements" are structures that are not permanently affixed, such as aboveground swimming pools, and items that are not structures, such as shrubbery and landscaping.

After structure damage occurs, mine operators have six months to resolve the damage through private negotiations with the landowner. Landowners should also report the damage to DEP. However, landowners must report the damage to DEP within two years of the date of damage or risk forfeiting some of the protections afforded by law.

**Limits of Liability.** When repairing or compensating for damage, a mine operator is not liable to pay more than the cost of replacing the structure that was damaged. If a damaged agricultural structure was being used for a purpose other than the purpose for which it was built, a mine operator may replace the structure with one that suffices for the most recent use. For example, a barn used solely to store a tractor could be replaced with a tractor shed.

**Additional Compensation.** Occupants of damaged structures may be entitled to payment for the costs of temporary relocation and other reasonable incidental expenses.

**Land Damage.** Mine operators must repair sinkholes, ground cracks and flooding problems resulting from subsidence if it is technologically and economically feasible to do so.

### Pre-Mining and Post-Mining Surveys

**General Requirements.** Mine operators are required to conduct pre-mining surveys of water supplies and structures that are covered by repair and compensation requirements. Operators must complete the survey prior to the time a structure or water supply is susceptible to subsidence damage. A structure survey usually involves documenting the condition of the structure through a written report, video or still photographs. Water supply surveys should include tests to document the yield, quality and uses.

Mine operators must provide structure owners with copies of pre-mining survey results within 30 days of completing the

survey. Mine operators must also treat survey results in a confidential manner. Unless the structure owner consents, access to survey results is limited to appropriate mining company staff and DEP.

**Caution.** A structure owner who denies a mine operator access to conduct a pre-mining or post-mining survey forfeits his or her right to repair or compensation. A landowner who denies a mine operator access to conduct a pre-mining or post-mining survey of a water supply loses the benefit of the rebuttable presumption. In addition, the landowner becomes responsible to document the pre-mining quality and yield of the supply in the event of any future impact.

### Responsibilities of Mine Operators and Landowners

Pre-mining and post-mining surveys of water supplies and structures ensure the fair settlement of claims. Mine operators and property owners are mutually responsible for timely and properly conducted surveys.

**Mine Operators.** Mine operators must request the landowner's permission to conduct the survey. If the landowner denies access or does not respond, the mine operator must provide a written notice to the landowner by certified mail or personal service. The written notice must describe the landowner's rights under the law.

**Property Owners.** Landowners must grant access to mine operators or forfeit important protections provided by law. After receiving the second notice, a landowner has 10 days to provide or authorize access.

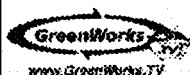
### DEP's Role in Resolving Damages

Mine operators are required to notify DEP of all reported water supply impacts and structure damage claims. Landowners should also report impacts immediately so that DEP can provide assistance and promote timely resolution of claims. Additionally, early involvement enables DEP to collect information that may be difficult to recover at a later time. Claims should be filed with DEP at:

McMurray District Mining Office  
3913 Washington Road  
McMurray, PA 15317  
Telephone: 724-941-7100 or 800-922-1678

**Surface Subsidence Agents.** DEP employs a staff of Surface Subsidence Agents to assist landowners before, during and after mining. The agents serve as liaisons between landowners and mine operators to facilitate resolution of damages. Specifically, they ensure that landowners are aware of their rights and protections under the law - often meeting with landowners. Landowners can contact the surface subsidence agent responsible for their area by calling DEP's McMurray District Mining Office or by visiting [www.dep.state.pa.us](http://www.dep.state.pa.us) (directLINK "Subsidence Agents").

This fact sheet and related environmental information are available electronically via Internet. For more information, visit us through the PA PowerPort at <http://www.state.pa.us> or visit DEP directly at <http://www.dep.state.pa.us> (directLINK "Subsidence Agents").



[www.GreenWorks.tv](http://www.GreenWorks.tv) - A web space dedicated to helping you learn how to protect and improve the environment. The site features the largest collection of environmental videos available on the Internet and is produced by the nonprofit Environmental Fund for Pennsylvania, with financial support from the Pennsylvania Department of Environmental Protection, 877-PA-GREEN.

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## Surface Owners' Rights

**Residents living above longwall coal mines are entitled to certain rights and protections under the law.**

**Surface property owners' rights include:**

1. The right to be notified by the coal company when mining is proposed under your property and to comment on the proposed mining during DEP's review of the permit.
2. If DEP approves the permit, you have the right to be notified by the coal company at least six months before mining occurs under your property. You will be given information on who to contact at the coal company for information and resolving problems. You will also be notified by DEP with contact information for your Surface Subsidence Agent. Or you can call DEP at 800-922-1678 at any time for information.
3. You have the right to a pre-mining survey to record the existing condition of your home and water supply to help identify damage or loss of water. The pre-mining survey can also help in the design of measures that will help prevent damage to your property like bracing, trenching around the building, installing flexible connections to utilities and providing replacement water ahead of any need.
4. You will be contacted by a DEP Surface Subsidence Agent before longwall mining occurs to answer your questions about damage or water loss and to make sure you are aware of all your rights prior to mining.
5. Notify the coal company and DEP immediately of any damage or water loss on your property. The coal company must also report any mining-related problems to DEP. A DEP Surface Subsidence Agent will contact you to determine the kind of problem you're having and whether the coal company is taking steps to solve it. A file will be opened to track the status of the problem, and DEP will be in contact with you and the coal company to make sure your rights are protected.
6. If you cannot occupy your home because of mine subsidence damage, you have the right to have your temporary relocation expenses paid by the coal company.
7. If your water is lost as a result of underground mining, you have the right to a temporary replacement supply within 24 hours and a prompt permanent replacement - paid for by the coal company.
8. If your home is damaged, you have the right to a post-mining survey to determine the scope of the damage and to have that damage repaired to pre-mining condition - paid for by the coal company - or to accept compensation.
9. If you feel you are not being treated fairly by the coal company at any point in this process, you have the right to file a formal claim with DEP up to two years after the date the damage occurred to help resolve damage claims and water loss problems. If you do not file a damage claim with DEP within two years, you may forfeit your rights to repair or compensation.
10. You have the right to be fully compensated for structural damage or water supply impacts if you choose.

**Individuals & Families | Students | Educators | Farmers | Local Government | Business  
PA Home Site | GreenWorks.tv | Ask DEP | Plug-Ins | Home Page**

**Contact Webmaster**

**Last Modified on 07/30/2002 14:17:09.**

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## Surface Subsidence Agent Program

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What is a Surface Subsidence Agent?

Longwall Coal Mines Currently Operating in Pennsylvania

Municipalities with Active Longwall Mines

Surface Subsidence Agent Contact Information

Active Mining Damage Claim Page

Fact Sheet on Water Supply Replacement and Damage Repair (PDF Format)

Fact Sheet on Methane Gas and Your Water Well (PDF Format)

Unresolved Underground Mining Claims

Bituminous Mine Subsidence and Land Conservation Act

### What is a Surface Subsidence Agent?

The Surface Subsidence Agent monitors and documents conditions in areas impacted by longwall mining prior to, during, and after mining has occurred. If you are going to be undermined, you can expect a visit from a Surface Subsidence Agent at your home. He will explain your rights and responsibilities provided in The Bituminous Mine Subsidence and Land Conservation Act, commonly known as Act 54, and the regulations enacted pursuant to the act.

Some specific examples of the duties of a Surface Subsidence Agent are listed below:

- To provide property owners with information about the department's mining regulatory programs and to assist them with inquiries and concerns.
- To facilitate discussions and serve as a mediator between landowners and mine operators with the goal of resolving issues at the earliest possible stage.
- To assist with settlement of claims filed under the Bituminous Mine Subsidence and Land Conservation Act.
- To monitor the impacts of longwall mining on surface lands, streams, structures, and water supplies before, during, and upon completion of mining.
- To assist professionals and technical staff with formal investigations of claims of subsidence damage to homes and water supplies.

We encourage you to contact your Surface Subsidence Agent if you have any questions or concerns about longwall mining in your area.

DMO Home ► McMurray Office ► Surface Subsidence Agent Home



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[Who to Contact](#)

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## Surface Subsidence Agent

### Areas and Mines Covered

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[Active Mining Damage Claim Page](#)

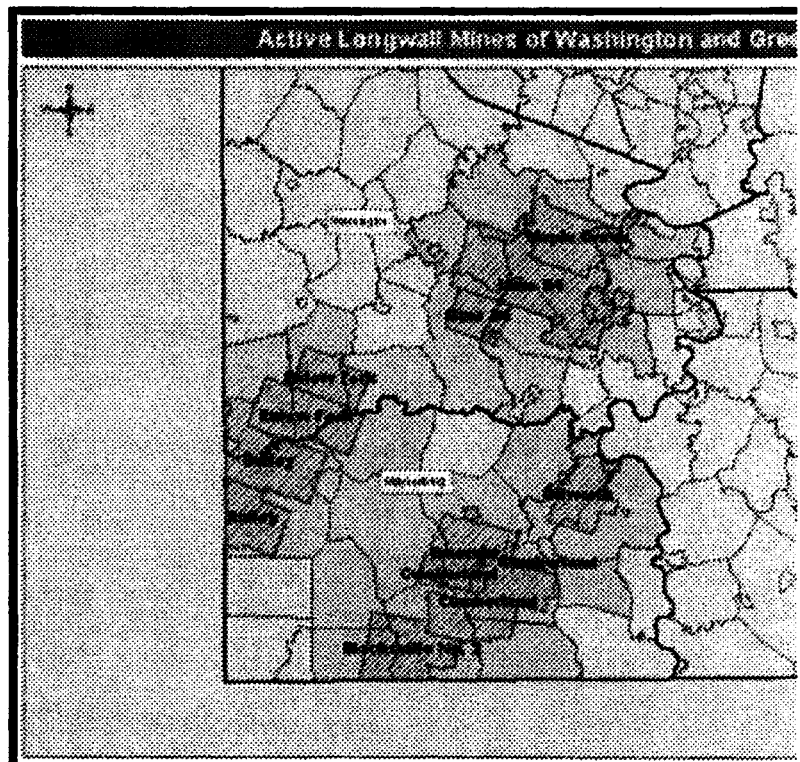
[Fact Sheet on Water Supply Replacement and Damage Repair \(PDF Format\)](#)

[Fact Sheet on Methane Gas and Your Water Well \(PDF Format\)](#)

[Unresolved Underground Mining Claims](#)

[Bituminous Mine Subsidence and Land Conservation Act](#)

Below is a map of the Active Longwall mines currently operating in Washington and Greene Counties.



Click on the map for a larger view

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## Surface Subsidence Agent Program

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What is a Surface Subsidence Agent?

### Areas and Mines

Longwall Coal Mines Currently Operating in Pennsylvania

Below is a list of municipalities in Washington and Greene Counties with active Longwall coal mines.

Municipalities with Active Longwall Mines

Surface Subsidence Agent Contact Information

<b>Operator</b>	<b>Consol</b>	<b>Consol</b>
<b>Mine Name</b>	<b>Bailey Mine</b>	<b>Enlow Fork Mine</b>

Active Mining Damage Claim Page

<b>Municipalities</b>	<b>Rich Hill Twp, (Greene Co)</b>	<b>Rich Hill Twp, (Greene Co)</b>
-----------------------	-----------------------------------	-----------------------------------

Fact Sheet on Water Supply Replacement and Damage Repair (PDF Format)

<b>West Finley Twp (Washington Co)</b>	<b>West Finley Twp (Washington Co)</b>
--	--

Fact Sheet on Methane Gas and Your Water Well (PDF Format)

<b>Gray Twp (Greene Co)</b>	<b>East Finley Twp (Washington Co)</b>
-----------------------------	--

Unresolved Underground Mining Claims

<b>Aleppo Twp (Greene Co)</b>	<b>Morris Twp (Washington Co)</b>
-------------------------------	-----------------------------------

Bituminous Mine Subsidence and Land Conservation Act

<b>Morris Twp (Greene Co)</b>
-------------------------------

<b>Operator</b>	<b>Consol</b>	<b>Consol</b>
<b>Mine Name</b>	<b>Dilworth Mine (Greene County)</b>	<b>Blacksville No. 2 Mine (Greene Co)</b>

<b>Municipalities</b>	<b>Jefferson Boro</b>	<b>Jackson</b>
-----------------------	-----------------------	----------------





Mine Name	Cumberland Mine (Green County)	Mine (Greene County)
Municipalities	Whiteley Twp Franklin Twp Wayne Twp Perry Twp Greene Twp Center Twp	Center Twp Franklin Twp Waynesburg Boro Whiteley Twp

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If you believe that your **water supply** has been impacted by an active underground coal mine, please call the McMurray District Mining Office at (800) 922-1678.

To **report structure and/or land damages** caused by an active underground coal mine, please call the McMurray District Mining Office at (800) 922-1678 or use the Structure and Land Damage Claim Form.

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		<b>Twp</b>
	<b>Cumberland Twp</b>	

<b>Operator</b>	<b>Consol</b>
<b>Mine Name</b>	<b>Mine 84 (Washington County)</b>

<b>Municipalities</b>	<b>South Strabane Twp</b>
	<b>North Strabane Twp</b>
	<b>Somerset Twp</b>
	<b>Amwell Twp</b>
	<b>North Bethlehem Twp</b>
	<b>West Bethlehem Twp</b>
	<b>Cokeburg Boro</b>
	<b>Beallsville Boro</b>
	<b>West Pike Run Twp</b>
	<b>Ellsworth Boro</b>
	<b>Bentleyville Boro</b>
	<b>Fallowfield Twp</b>

<b>Operator</b>	<b>Maple Creek Mining</b>
<b>Mine Name</b>	<b>Maple Creek Mine (Washington County)</b>

<b>Municipalities</b>	<b>Nottingham Twp</b>
	<b>North Strabane Twp</b>
	<b>Somerset Twp</b>
	<b>Fallowfield Twp</b>
	<b>Carroll Twp</b>
	<b>New Eagle Boro</b>
	<b>City of Monongahela</b>

<b>Operator</b>	<b>RAG</b>	<b>RAG</b>
		<b>Emerald</b>

<b>Mine Name</b>	<b>Cumberland Mine (Green County)</b>	<b>Mine (Greene County)</b>
<b>Municipalities</b>	<b>Whiteley Twp Franklin Twp Wayne Twp Perry Twp Greene Twp Center Twp</b>	<b>Center Twp Franklin Twp Waynesburg Boro Whiteley Twp</b>

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Structures

Eighty-Four Mine

## INTRODUCTION

A group of four structures in the Porter property are located over the chain pillar systems between longwall panels 1-B and 2-B of Consol 84 Mine. As the two longwall panels are mined, some of the structures could be affected by the subsidence process associated with mining in these two panels. In this report, the surface movements and deformations in a surface area around the structures induced by the longwall mining operations in the two panels have been predicted. Based on the predictions, the possible subsidence influences on the structures are assessed and mitigation measures for reducing the anticipated structural problems are recommended.

## LONGWALL PANELS AND THE STRUCTURES

### Longwall panels

Figure 1 shows the layout of the two longwall panels (1-B and 2-B). Each of the longwall panels is about 1,120 ft wide and the mining height in the Pittsburgh coal seam is about 6.5 ft. The total width of the three-entry chain pillar system separating these two longwall panels is 184 ft. The surface area at the study site is fairly flat with the average overburden depth being 453 ft.

The four structures (one house, one log house and two barns) are located over the chain pillar system and also close to the setup entries of the longwall panels (Fig. 1). In relation to the longwall panels, the old barn is closest to panel 1-B with its front wall being 18 ft the headentry of panel 1-B while the log house is closest to panel 2-B (32 ft). The shortest distance between the house front wall and panel 1-B is about 100 ft while its rear wall is about 45 ft to the tailentry of panel 2-B. The distance between the log house and the panel setup entry is 344 ft while that between the old barn and the setup entry is about 600 ft.

A section of route 40 is also located over longwall panel 1-B as shown in Fig. 1.