

**WEST VIRGINIA OFFICE OF MINERS' HEALTH, SAFETY & TRAINING**

**CHECKLIST FOR FINAL MAP APPROVAL AND ARCHIVAL**

**22A-2-1.** The operator of every underground coal mine shall make, or cause to be made, an accurate map of such mine, on a scale of not less than one hundred, and not more than five hundred feet to the inch.

Company / Mine Name \_\_\_\_\_

State ID \_\_\_\_\_ MSHA ID \_\_\_\_\_ Date: \_\_\_\_\_

The map of such mine shall show:

- \_\_\_ (1) Name and address of the mine;
- \_\_\_ (2) The scale and orientation of the map;
- \_\_\_ (3) The property or boundary lines of the mine;
- \_\_\_ (4) The shafts, slopes, drifts, tunnels, entries, rooms, crosscuts and all other excavations and auger and strip mined areas of the coalbed being mined;
- \_\_\_ (5) Name of the coalbed;
- \_\_\_ (6) Dip of the coalbed;
- \_\_\_ (7) The outcrop of the coalbed within the bounds of the property assigned to the mine;
- \_\_\_ (8) The elevations of tops and bottoms of shafts and slopes, and the floor at the entrance to drift and tunnel openings
- \_\_\_ (9) Rooms advancing toward or adjacent to property or boundary lines or adjacent mines;
- \_\_\_ (10) Contour lines passing through whole number elevations of the coalbed being mined, the spacing of such lines not to exceed ten-foot contour intervals, except that a broader spacing of contour lines may be approved for steeply pitching coalbeds by the person authorized so to do under the federal act; and contour lines may be placed on overlays or tracings attached to mine maps;
- \_\_\_ (11) As far as practicable the outline of existing and extracted pillars; (see Note No. 1)
- \_\_\_ (12) The known underground workings in the same coalbed on the adjoining properties within one thousand feet of such working and projections;
- \_\_\_ (13) The abandoned portion or portions of the mine;
- \_\_\_ (14) The location and description of at least two permanent base line points coordinated with the underground and surface mine traverses, and the location and description of

at least two permanent elevation bench marks used in connection with establishing or referencing mine elevation surveys;

- \_\_\_ (15) Mines above or below;
- \_\_\_ (16) The location of the principal streams and bodies of water on the surface
- \_\_\_ (17) Either producing or abandoned oil and gas wells located within five hundred feet of such mine and any underground area of such mine;
- \_\_\_ (18) The location of railroad tracks, public highways, and principal roads;
- \_\_\_ (19) Where the overburden is less than one hundred feet;
- \_\_\_ (20) Such other information as may be required under the federal act or by the Office of Miners' Health, Safety and Training.

\_\_\_ a. Grid lines in either:

- \_\_\_ 1. State Plan Coordinate System (SPSC) NAD 27
- \_\_\_ 2. State Plan Coordinate System (SPSC) NAD 83
- \_\_\_ 3. Local mine coordinate system clearly visible.

Show LAT LONG tick marks to at least the nearest second on each of the four (4) corners of the mine map.

\_\_\_ b. Meridian information (NAD, Zone).

\_\_\_ c. All map features and information required above shall be of sufficient line wt. and text size to be clearly legible for archiving by camera and by scanning.

\_\_\_ d. Index insert showing LAT LONG of mine portal(s).

\_\_\_ f. State ID

\_\_\_ g. MSHA ID

\_\_\_ h. "FINAL MAP" stated on map.

\_\_\_ i. Map certified by RPE or PS(U)

\_\_\_ j. Map shows last date of mining and all mining done to that date.

\_\_\_ k. Comment, by the reviewing inspector, as to why this is a "FINAL MAP".

\_\_\_ l. Has a previous "FINAL MAP" been submitted on this mine as a result of a closure and/or prior company or operator reassignment?

No \_\_\_

Yes \_\_\_ Company Name \_\_\_\_\_

Date(s) \_\_\_\_\_

Reason \_\_\_\_\_  
\_\_\_\_\_

Has there been any production since previous "FINAL MAP".

Yes \_\_\_\_\_ No \_\_\_\_\_

\_\_\_ m. Submittal information:

\_\_\_ Hardcopy

\_\_\_ Computer disk

\_\_\_ n. Final seals

\_\_\_ wet

\_\_\_ dry

\_\_\_ o. Map bar scale

\_\_\_ p. USGS 7.5 min Quadrangle Name: \_\_\_\_\_

\_\_\_ (26) Inspector sign off \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_ (27) Engineer sign off \_\_\_\_\_ Date \_\_\_\_\_

Notes:

- 1) Need to clearly show which sections of the mine that was not mapped by physical survey and where it is sketched in.