

3745-400-52

Processing facility design requirements.

Processing facility design plan. The processing facility design plan shall be signed and sealed by a professional engineer registered in Ohio. All drawings, calculations, and narrative shall appear on plan sheets with minimum dimensions of twenty-four inches by thirty-six inches. If narrative is necessary to explain the drawings or calculations, the narrative shall appear on the plan sheet with that drawing or calculation. At a minimum, the processing facility design plan shall contain the following:

(A) A cover sheet, to be numbered sheet 1, that contains the following information:

- (1) The name, physical address, and mailing address of the processing facility.
- (2) The processing facility property line and processing facility boundary to be shown on a road map with a scale of one inch equals no greater than one mile.
- (3) The name and address of each owner of the land on which the processing facility is or will be located.
- (4) The name and address of the professional engineer who prepared the plan.

(B) Drawings of the processing facility environs and items located within five hundred feet, unless otherwise specified below, of the horizontal limits of construction and demolition debris processing illustrated on a series of plan sheets numbered consecutively 2A, 2B, 2C, etc. with a scale of one inch equals no greater than two hundred feet including the proposed and existing horizontal limits of construction and demolition debris processing and the locations of the following:

- (1) The processing facility property line as determined by a survey conducted by a professional surveyor registered in Ohio.
- (2) All existing and proposed roads, railroads, and structures.
- (3) All occupied dwellings.
- (4) All occupied buildings.
- (5) All perennial streams within one hundred feet of the horizontal limits of construction and demolition debris processing.
- (6) All category 3 wetlands within one hundred feet of the horizontal limits of construction and demolition debris processing.
- (7) Existing topography showing vegetation, streams, wetlands, lakes, springs, and other surface waters, with a contour interval no greater than five feet and the general flow direction of all surface waters.

(8) The north arrow.

(9) All oil wells and gas wells. If any oil wells or gas wells are identified in accordance with this paragraph, a letter from the Ohio department of natural resources or other appropriate agency verifying the type, location, depth, and status of the well shall be included.

(C) Drawings of the proposed design and layout of the processing facility on plan sheets that are numbered consecutively 3A, 3B, 3C, etc. with a scale of one inch equals no greater than two hundred feet that include the following:

(1) The horizontal limits of construction and demolition debris processing.

(2) The location, boundaries, maximum dimensions, and composition of all existing and proposed piles of material.

(3) The location of all existing and proposed access roads.

(4) The location of all existing and proposed fencing, gates, and natural or other screening.

(5) The location of surface water drainage and sediment control structures.

(D) Detail drawings on plan sheets numbered consecutively 4A, 4B, 4C, etc. that include the following:

(1) All existing and proposed roads.

(2) Surface water drainage and sediment control structures designed in accordance with paragraph (E)(3) of this rule.

(3) Visual barriers, if applicable, as specified in rule 3745-400-58 of the Administrative Code.

(4) Working surfaces.

(E) Design calculations with references to equations used showing site-specific input and assumptions on plan sheets numbered consecutively 5A, 5B, 5C, etc., that include the following:

(1) The maximum rate of processing in cubic yards per day.

(2) The maximum volume in cubic yards of mixed construction and demolition debris the processing facility may accumulate at any time.

(3) Calculations for surface water drainage and sediment control structures

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[designed at a minimum for a ten-year twenty-four hour storm event.](#)