

18. Downstream hazard classification _____ 19. Drainage area _____
 (1, 2, 3, or 4) (acres) (square miles)

20. Dam and reservoir data (All elevations based upon U.S.G.S. feet above mean sea level)

NOTE: For existing dams, complete first column only.
 For construction of a new dam, complete second column only.
 For modification of a dam, complete both columns.

Existing/Current
 configurations

Final Design
 configurations

a. Height of dam (item n minus item m)	feet	_____	_____
b. Crest length of dam	feet	_____	_____
c. Crest width of dam	feet	_____	_____
d. Freeboard (normal pool to crest)	feet	_____	_____
e. Normal pool surface area	acres	_____	_____
f. Max. design pool surface area	acres	_____	_____
g. Pool surface area (top of dam)	acres	_____	_____
h. Normal reservoir volume	ac.ft.	_____	_____
i. Max. design reservoir volume	ac.ft.	_____	_____
j. Reservoir volume (top of dam)	ac.ft.	_____	_____
k. Design point rainfall (six hour duration)	inches	_____	_____
l. Upstream toe (lowest)	elev	_____	_____
m. Downstream toe (lowest)	elev	_____	_____
n. Top of dam (crest)	elev	_____	_____
o. Principal spillway (low inlet)	elev	_____	_____
p. Principal spillway (high inlet)	elev	_____	_____
q. Principal spillway capacity	cfs	_____	_____
r. Reservoir drain inlet	elev	_____	_____
s. Reservoir drain capacity	cfs	_____	_____
t. Emergency spillway (crest)	elev	_____	_____
u. Emergency spillway capacity	cfs	_____	_____
v. Normal pool	elev	_____	_____
w. Max design pool	elev	_____	_____
x. Max solids (waste disposal)	elev	_____	_____
y. Upstream slope of dam		_____ H: _____ V	_____ H: _____ V
z. Downstream slope of dam		_____ H: _____ V	_____ H: _____ V

21. Included with this application are the maps, plans, specifications, supporting calculations and filing fee of \$_____ as required by the Dam Safety Rules (47CSR34-18.1).

22. I certify that the application and accompanying plans, specifications, drawings and supporting calculations were prepared under my direct supervision, and are true and correct to the best of my knowledge.

 (print owner's name)

 (signature of design engineer)

 (date)

 (owner signature)

 (date)

RPE No. _____ State _____

18. Downstream hazard classification _____ (1, 2, 3 or 4)
19. Drainage area _____ (acres) _____ (square miles)

20. a. Removal of a dam

- (1) Is removal to original ground? YES NO
(2) Location where embankment material will be placed _____

b. Abandonment / Filling reservoir of a dam

- (1) Fill material
(a) Nature/Type _____
(b) Origin _____
(c) Soil classification _____
(2) Lift size of fill placement _____
(3) Total depth of fill _____
(4) Compaction specification _____
(5) Diversion ditches or stream relocation
(a) Location _____
(b) Channel cross section _____
(c) Channel side slope _____ width _____ depth _____
(d) Design storm flow _____ cfs
(e) Channel capacity _____ cfs
(f) Channel protection _____

c. Breach of a dam

- (1) Location where breach material will be placed _____
(2) Breach channel
(a) Location _____
(b) Channel cross section _____
(c) Channel side slope _____ width _____ depth _____
(d) Storm flows 100 year storm _____ cfs design storm _____ cfs
(e) Channel protection _____
(3) Remaining impoundment volume _____ acre-feet depth _____ feet

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(printowner's name)

(signature of design engineer) (date)

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RPE No. _____ State _____