

SAKW Dam Do(s) and Don't(s)

Basic Statement - Dam and all features maintained as close as possible to As-Built condition!

Inspected at least annually

Inspection Reports submitted to NRCS and KDA/DOC

Do(s)

Embankment

Free of all listed items under Don't column
Vegetative Cover in good condition
Managed Grazing
Managed Haying
Maintain Specie Integrity
Sprayed, mowed, or burnt to eliminate excessive growth,weeds or brushy growth

Auxilliary Spillway

Free of all listed items under Don't column
Vegetative Cover in good condition
Managed Grazing
Managed Haying
Maintain Specie Integrity
Sprayed, mowed, or burnt to eliminate excessive growth,weeds or brushy growth

Don't(s)

Embankment

No animal burros
No longitudinal or transverse cracks
No seeps or boils
No trafficking (human, vehicle, or animal) across top or up and down slopes
No sloughing or slides
Misalignment of dam axis
No hay bales left on embankment
No trash, debris, or foreign matter left on slopes
No weeds or woody vegetation
No freeze thaw deterioration of rock rip rap if designed

Auxilliary Spillway

No animal burros
No longitudinal or transverse cracks
No trafficking (human, vehicle, or animal) along or traverse to approach section, control section, or exit channel to include all slopes
No sloughing or slides
No hay bales left on approach section, control section, or exit channel to include all slopes
No trash, debris, or foreign matter left on approach section, control section, or exit channel to include all slopes
No weeds or woody vegetation
No standing water

Principal Spillway

Trash Rack

Free of all listed items under Don't column

Drawdown Pipe

Free of all listed items under Don't column
Flushed annually to minimize sediment build-up
Trash rack in good condition if part of design

Riser

Metal

Free of all listed items under Don't column

Plastic

Free of all listed items under Don't column

Precast concrete

Free of all listed items under Don't column

Dx3D Concrete

Free of all listed items under Don't column

Barrell

Metal

Free of all listed items under Don't column

Principal Spillway

Trash Rack

No missing, altered, or loose components
No rust
No broken welds,
No trash, logs, or animal placed foreign matter
No living woody plants

Drawdown Pipe

Minimum sediment build-up over inlet
No rust
No broken welds,
No missing trash rack if part of design

Riser

Metal

No rust
No deterioration to coating if designed
No broken welds,
No trash, logs, or animal placed foreign matter
No alterations to capacity or entrance elevation

Plastic

No breaks or cracks
No plastic deterioration
No alterations to capacity or entrance elevation

Precast concrete

No concrete deterioration
No alterations to capacity or entrance elevation
No breaks or cracks

Dx3D Concrete

No concrete deterioration
No alterations to capacity or entrance elevation
No breaks or cracks

Barrell

Metal

No rust
No deterioration to coating if designed
No broken welds,
No trash, logs, or animal placed foreign matter present
No alterations to capacity
No missing components or malfunction of
cathodic protection if designed

Plastic

Free of all listed items under Don't column

Plastic

No breaks or cracks
No plastic deterioration
No alterations to capacity

Precast concrete

Free of all listed items under Don't column

Precast concrete

No leakage at joints or
calcification deposits
No concrete deterioration
No alterations to capacity
No breaks or cracks

Pipe Support

Metal

Free of all listed items under Don't column

Pipe Support

Metal

No rust
No deterioration to coating
if designed
No broken welds,
No trash, logs, or animal placed
foreign matter
No alterations

Concrete

Free of all listed items under Don't column

Concrete

No concrete deterioration
No alterations to capacity
No breaks or cracks
No out of alignment

Valves

Operated at least once a year
Free of all listed items under Don't column

Valves

No deterioration of components
No operating handle missing or broken
No seals missing or displaced

Fences

Free of all listed items under Don't column

Fences

No missing gates, posts, wire, or stays
No alteration to constructed alignment
No deterioration of gates, posts, wire,
or stays

Drains

Free of all listed items under Don't column

Drains

No cloudy or discolored flowage water
No sand or calcification present at outlets
No missing outlets
No deterioration of outlet pipe to include
rodent guards
No standing water near outlets
No support brackets missing
No problems with outlet alignment

Stilling Basin/Impact Basin/Outlet Channel

Free of all listed items under Don't column

Stilling Basin/Impact Basin/Outlet Channel

No freeze thaw deterioration of rock rip
rap if designed
No sediment or gravel build-up that
distorts flow to outlet channel
No trees or woody brush on slopes
No erosion on the slopes
No concrete deterioration
No rip rap displacement
No sloughing or slides

***Upstream Storage Areas (permanent, flood storage, and freeboard)**

Free of all listed items under Don't column

* Some items lack authority to manage - education/awareness of operational and liability impacts of dams should be discussed with landowners

****Landowner Relations**

**** Attach copy of SAKW "Landowner Bill of Rights"**

***Upstream Storage Areas (permanent, flood storage, and freeboard)**

No structures built below top of dam elevation without watershed district knowledge

No fishing berms, boat docks, or designated swimming areas without landowner and mutual watershed district consent

No livestock feeding, grazing, or pens that affect water quality

No roads without flood hazard markings