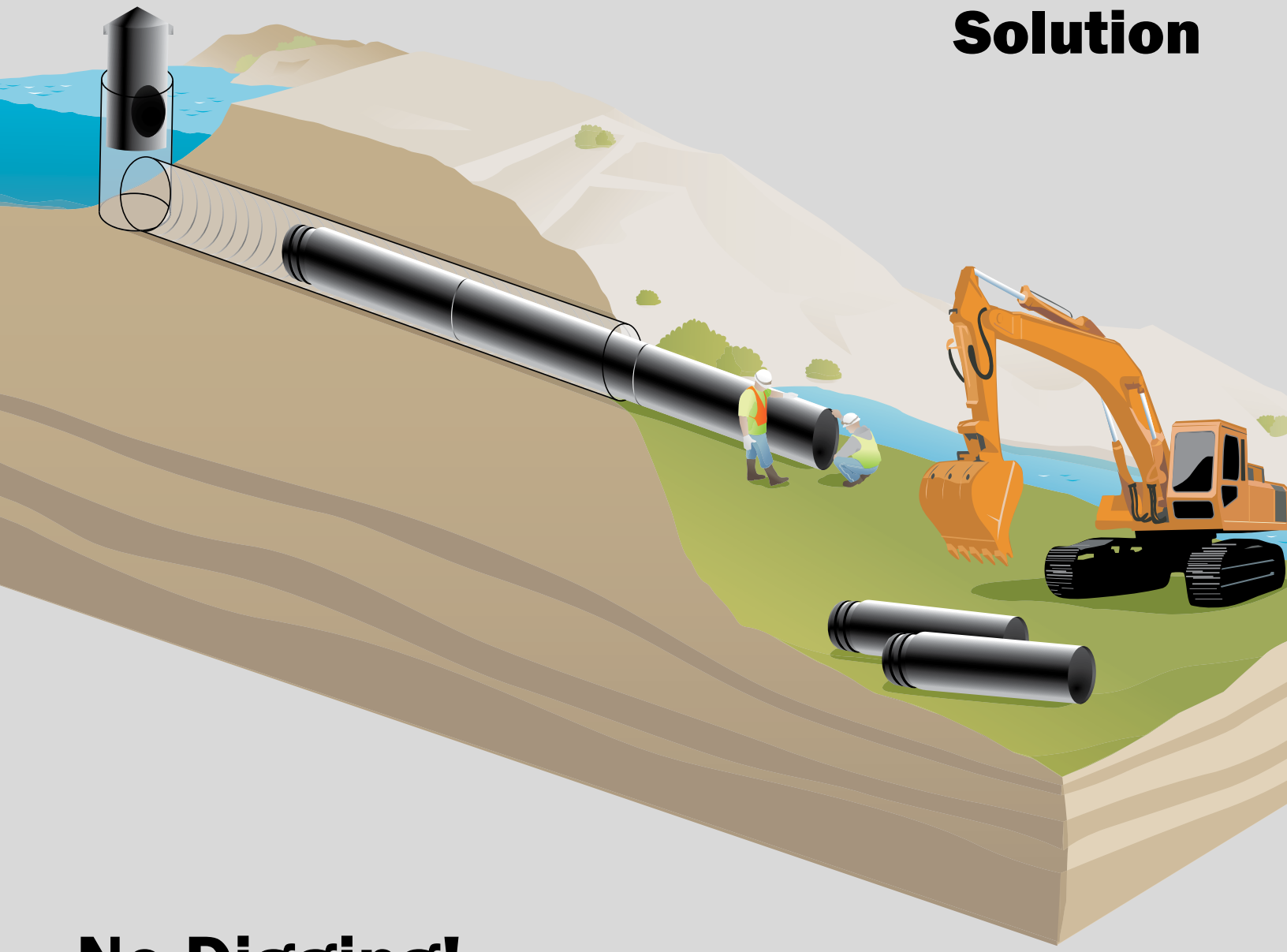
Permanent Spillway Dam Rehabilitation Solution



No Digging!
No Diving!

SnapTite®

Dam Rehabilitation Using Snap-Tite

Snap-Tite is a quick install with no special training or equipment. Since it typically weighs as little as 10% of concrete, ductile iron and clay pipes, it is much easier to handle.

Everything for the installer.
Snap-Tite piping comes in custom made lengths ranging from 2 to 50 feet. Facing a damaged pipe with limited access? Not a problem with Snap-Tite. Short segments can be fastened together, all with strong water-tight seals in a small working space.

Snap-Tite is the best solution for dam berm spillway rehab problems. Simple installation means light duty equipment, less manpower, minimal disturbance of right-of-way, and indefinite service life.

When considering these benefits, it becomes clear that the Snap-Tite system is the most cost-effective way to rehabilitate deteriorating dam spillway systems and tie into a new HDPE riser without diving.

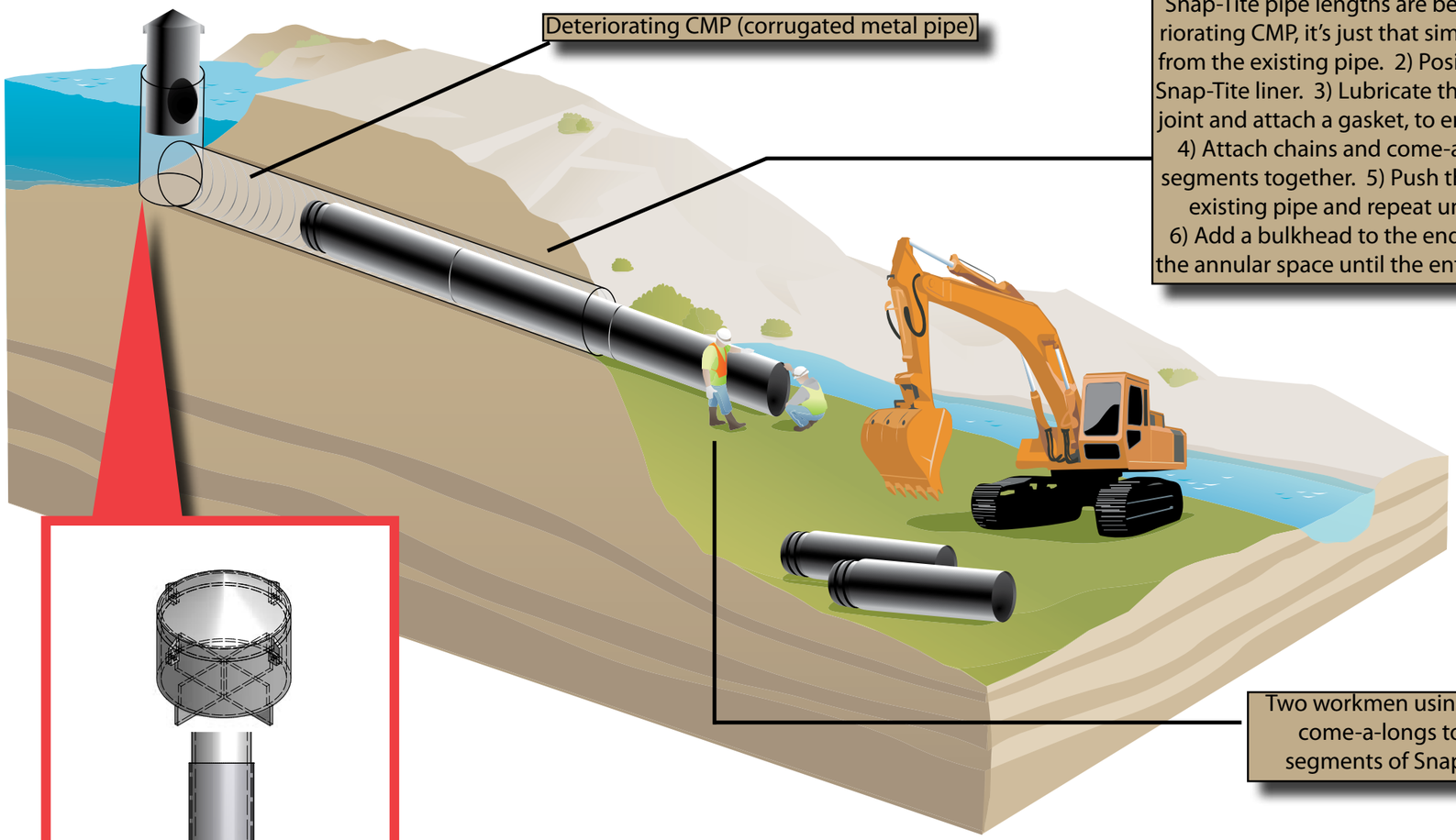
The Snap-Tite joint and installation system allows replacement of failing systems without excavation or removing existing pipe.

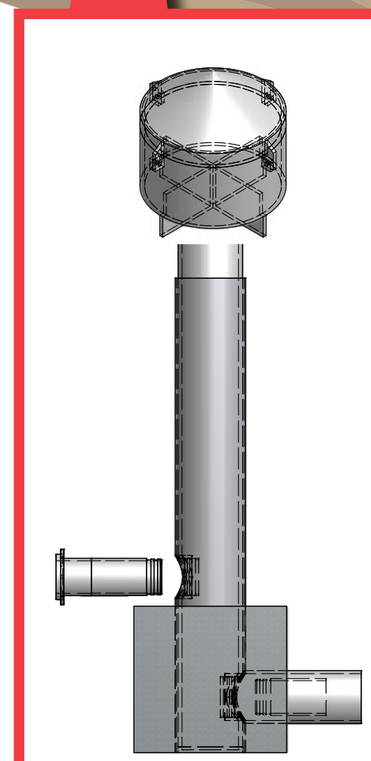
The installer's solution: two key strengths to rely upon.

- A new, leak-free, independent system which features a cost effective installation improved flow and dramatically longer life.
- High-density polyethylene has outstanding chemical and corrosion resistance. It also has high strength and flexibility.

These advantages also make Snap-Tite the preferred answer for dam spillway renewal.

- **CMP Spillway Rehabilitation**
- **Ductile iron spillway rehabilitation**
- **Concrete spillway rehabilitation**





Spillway Riser and Trash Bonnet

Our HDPE riser is manufactured to include our unique Snap-Tite joining system within the riser. This water-tight gasketed joining system allows the installer to connect the Snap-Tite HDPE spillway liner to the new HDPE riser. Guiding the Snap-Tite liner into place to attach to the new riser is done without diving through mechanical means at the top of the dam riser, pulling within the Snap-Tite male end until the "Snap" has occurred into the riser. At this point, the annular space of the riser and spillway can be grouted to ensure a permanent solution.

This riser also can be manufactured to include an embedded Snap-Tite female joint above the concrete pad to hold a flange connection in place to a replacement drain slide gate valve. Finally, ISCO also offers a HDPE trash bonnet with a cone top to complete the dam rehab. This trash bonnet is designed to fit over the new riser to keep large debris and animals from entering or blocking water into the riser.

12 STEPS TO A SNAP-TITE DAM SPILLWAY REHABILITATION SYSTEM

1) Prepare the existing riser.
2) Slip HDPE riser into place.
3) Prepare the existing spillway.
4) Insert one end of Snap-Tite liner into the existing spillway.
5) Position the next section of Snap-Tite with proper alignment.
6) Lubricate the male section of the Snap-Tite joint.
7) Attach the chains and come-a-long.
8) "Snap" the Snap-Tite liner sections together.
9) Push joined liners into the spillway and repeat until completely lined and the spillway liner has snapped into new riser.
10) Seal the spillway ends.
11) Grout the annular space.
12) Attach ISCO HDPE trash bonnet onto new riser.

It's the installer's safest and most cost effective solution: no digging and no diving!
The Snap-Tite joining system eliminates the need to excavate at the spillway and the need to dive to join the new liner to the new HDPE rier.
A Snap-Tite culvert liner system is one continuous, leak-free liner.

- No excavation or costly restoration
- No Traffic diversions
- No interruption to service
- Better flow and chemical resistance
- Eliminates infiltration and ex-filtration problems.

For more detailed installation instructions, see the Snap-Tite Design Guide or Installation Guide.

Make the connection! For more information visit
www.culvert-rehab.com or call us at
1-800-CULVERT