


# INDUSTRIAL SOLUTIONS USA

## A Best Practices Solution

### Secondary Containment

<b>Best Practice Overview:</b>	 <p>Thick polyurea hybrid lining material is sprayed onto various substrates including geotextile, concrete and dry earth to form a thick monolithic and impervious secondary lining system. Lining implementation is significantly quicker than alternative systems.</p>
<b>Applications:</b>	Concrete, geotextiles, earth, fiberglass, wood, steel.
<b>Target Markets:</b>	Petroleum and other oil producing facilities; gas processing/terminals; emergency run-off/remediation ponds; mining and ore processors; grain processors, wastewater treatment facilities and liquid/chemical storage/distribution facilities.
<b>Lining Formulation:</b>	Polyurea/polyurethane 100% solids
<b>Lining Contractor:</b>	Various – please contact us for specific job applicator information.

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### Current Situation:



Any company facility that is planning to build a secondary containment structure must design it to be impervious. Using block material alone as shown in the photo will leak; concrete will eventually crack then leak and performance of earthen berms greatly depends on the local soil available.

Retrofitting existing secondary containment structures to comply with EPA guidelines is expensive using sheet material that must be seam welded. Each seam is a

potential leak. In many instances using old technology is all but impossible from a practical perspective when multiple penetrations and existing equipment are present.

### The ISUSA Solution:

Substrates such as concrete, wood and steel were prepared according to industry accepted standards for applying topcoats such as linings or coatings then primed and sprayed. For earthen berms of other containment areas where substrate preparation was not possible; our applicators lined the containment area with non-woven geotextile. The secondary containment areas were then sprayed with a polyurea/polyurethane hybrid



lining to a thickness ranging from a minimum of 1/4" to 1/2" depending on the service environment of the containment area and the chemistry of the stored liquid.

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## Secondary Containment

Our lining solution used on earthen and rock berms



On mobile containment systems



Directly on earthen berms



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## Secondary Containment

### Benefits Realized:

- ✓The sprayed lining solution can be installed over any size or shape containment structure.
- ✓The dense lining material will remain elastic and will not crack after long term exposure to the elements.
- ✓Our lining solution can be made thicker where more wear is expected to occur.
- ✓Our linings are chemically resistant.
- ✓Our linings are significantly more robust than installing alternative products.
- ✓Our linings are long lasting and competitively priced.



**For more information, samples and bids please contact Industrial Solutions USA.**

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