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## Certificate of Compliance

This certificate is issued for the following:

### Approval of 42" Super Tiger Dam Perimeter Flood Barrier

**Prepared for:**

US Flood Control Corp.  
Suite 201, 505 8th Ave SW  
Calgary, AB T2P 1G1  
Canada

**Manufactured at:**

US Flood Control Corp.  
12400 Vulcan Way  
Richmond, British Columbia, V6V 1J8  
Canada

US Flood Control Corp  
802 Short St., Bldg. J  
Kenner, LA 70062  
USA

FM Approvals Class: 2511

Approval Identification: 0003046068

Approval Granted: October 4, 2013

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark ink, appearing to read 'Richard B. Dunne', written over a horizontal line.

Richard B. Dunne  
Group Manager -Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062









# THE 42" FM APPROVED TIGER DAM™



**RIGOROUSLY TESTED AT THE ERDC FACILITY  
VICKSBURG, MISSISSIPPI**

## TESTING STATS:

- Set up in 1/5 the time of sandbags
- Withstood waves at 3' water depth with minimal seepage and no damage
- 610lb & 790lb logs were rammed at the Tiger Dam™ tubes. Neither log caused any damage
- High velocity riverine test - no movement

**OVERALL, THE TIGER DAM™ WITHSTOOD 2 WEEKS OF INTENSIVE TESTING WITH CONSISTENTLY, INCREDIBLY LOW SEEPAGE AND NO DAMAGE.**

## 42" FM APPROVED TIGER DAM™ VS. SANDBAGS

- Each Tiger Dam™ is the equivalent to approximately 15,000 sandbags
- Deployed Tiger Dam™: 56,000 lbs.  
15,000 Sandbags: 750,000 lbs.
- Cost of one Tiger Dam™: \$3,995.00  
15,000 Sandbags: ( \$7.65\* / bag) Total : \$114,750.00  
\* Source UACE



# **42" FM APPROVED TIGER DAM**

## **SPECIFICATIONS:**

**LENGTH (EMPTY) : 66' (NOT FOLDED)**

**LENGTH (FILLED) : 50' (FOLDED)**

**WIDTH (EMPTY) : 88"**

**WIDTH (FILLED) : 83"**

**HEIGHT (ROLLED UP FOR STORAGE) : 13" HIGH**

**HEIGHT (FILLED) : 42"**

**WEIGHT (EMPTY) : 300LBS**

**WEIGHT (FILLED) : 56,000LBS (7,000 GALLONS OF WATER)**

**CAPACITY: 7,200 GALLONS**





# TIGER DAMS VS. SANDBAGS

1 MILE OF SANDBAGS COMPARED TO 1 MILE OF THE 42" FM APPROVED TIGER DAM AT 4' HIGH

15,000 SANDBAGS = 1 - 42" FM APPROVED TIGER DAM

## SANDBAGS PER MILE / 4' HIGH

**QUANTITY:** 1,590,000 SANDBAGS

**COST:** \$12,163,500.00 ( \$7.65 per bag)

**SHIPPING WEIGHT:** 47.7 MILLION lbs

**SHIPPING SPACE:** 26,500 PALLETS  
( 60 sandbags per pallet)

\* Source: UACE

\* Standard sandbag size used by the Government

## 42" FM APPROVED TIGER DAM PER MILE / 4' HIGH

**QUANTITY:** 106 TIGER DAMS

**COST:** \$423,470.00 ( \$3,995 per Tiger Dam)

**SHIPPING WEIGHT:** 21,306 lbs

**SHIPPING SPACE:** 18 PALLETS  
( 6 Tiger Dams per pallet)





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## FROM 1 DISASTER TO ANOTHER

From a flood disaster in 2009, to an environmental disaster, disposing of sandbags. ( 1,700 football field sized hazmat dumps to dispose of the sandbags. )

Placed end-to-end, 18 million full sandbags could extend from Miami, Florida to Nome, Alaska

Source: The Washington Post

