Flood Response Mitigation and Prevention

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This is Cummins

- Founded in 1919 – Columbus, IN
- 104 manufacturing plants
- Tech centers, warehouses, offices
- 600 distributors, 8000 dealers
Powering a more prosperous world in 2019

190
Countries & territories

58,600
Global employees

1.3M+
Engines built in 2017

8,000
Wholly-owned & independent distributor & dealer locations

$734M
Invested in research & development in 2017

100
Years of industry leadership
Cummins Indiana Facts

CORPORATE HEADQUARTERS
Columbus, Indiana

EST. 1919

2014 SALES $8B

EMPLOYEES 10,000+

DEALER COUNT 153+

MANUFACTURING FOOTPRINT 3,700 office, shop and exempt employees

Fuel Systems – Columbus, IN
Products: Fuel systems components, injectors, fuel pumps

Columbus Midrange Engine Plant – Columbus, IN
Products: 6.7L Midrange Turbo Diesel

Columbus Engine Plant – Columbus, IN
Products: 5.6L V8 Light Duty Turbo Diesel, engine blocks & heads for heavy duty on & off highway applications

Seymour Engine Plant – Seymour, IN
Products: 19L, 30L, V903, 95L high horsepower engines

Mishawaka, IN

Fort Wayne, IN

Indianapolis, IN

Evansville, IN
Columbus Indiana - June 7, 2008
2008 Flood Cummins Inc
Child Development Center

Occupational Health Center

CEP

CTC
Flood Recovery Timeline

June 7, 2008
Saturday
Severe
Flooding

June 9, 2008
Tuesday
Machining line
back in
Operation

July 2008
Cummins
Sites return
to normal
operation

December 2013
Flood
Prevention
Measures
in Place
Recovery Focus Areas

1. People
   - Safety
   - Employees
   - Working
   - Child Care
   - Community

2. Operations
   - Plant Machining
   - R & D Testing
   - Temporary Child Care
   - Health Center
   - Facility Services

3. Rebuilding
   - Office Rebuilding
   - System Replacement
   - Helping Employees
   - Insurance
   - Prevention
Cummins Technical Center

“It wasn’t like a bathtub filling up. It was like the Colorado River suddenly running through the Tech Center.”

John Wall, retired CTO
Columbus Engine Plant
Reseeding Flood Waters
Cummins Technical Center
Temporary Services

- Building Services
  - Power Generation
  - Chilled Water
  - Air Conditioning
  - Compressed Air
- Office Space
- Health Center
- Child Care
Flood Risk Potential and Mitigation Solutions
Hawcreek USGS flood depth Profile

500-year (0.2% Annual Chance Flood) Peak Flood Depths
Business Sustainability - CEP

- Flood Mitigation
  - Floodwall, storm sewer modification
Columbus Engine Plant
CEP – Columbus Engine Plant
Business Sustainability CTC

- Flood Mitigation
  - Earthen levee, floodwall, ground water pressure mitigation
CTC – Cummins Technical Center
Summary

01 Safety

02 Temporary Operations

03 Mitigation

04 Lessons Learned
Q+A