KANSAS CITY DISTRICT

Kansas Special Committee on Natural Resources

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Authority, Regulations, and Policies



Section 5 of the Flood Control Act of 1941

Law:

33 USC Section 701n (Public Law 84-99), as implemented by 33 CFR Part 203

Appropriation:

Flood Control and Coastal Emergencies (FCCE), the appropriation account that funds P.L. 84-99 activities.

Operational Policies:

Engineering Regulation 500-1-1, Civil Emergency Management Program
Engineering Regulation 1130-2-530, Flood Control Operations and Maintenance

Funding Policy:

Engineering Regulation 11-1-320, Civil Works Emergency Management Program Engineering Pamphlet 11-1-320, Civil Work Emergency Management Program Financial Management Process

USACE assistance is supplemental to state and local efforts.



Life Cycle Approach - Risk Management



"Getting Ready"

Actions taken BEFORE the event, including planning, training, and preparations

Train, Equip, & Exercise Teams
Improve & Sustain Readiness
Capture Lessons Learned
Update Doctrine
Develop All Hazards Plans

Flood Risk Management system assessment / inspections

Monitoring / forecasting threats

State and Local Coordination

Reservoir operations

Flood Fight Preparation

"Driving Down the Risks"

Activities that PREVENT a disaster, reduce its chance of happening, or reduce its damaging effects.

Modify mitigation plans

Identify future mitigation opportunities

Develop system improvements

USACE
Disaster Preparedness,
Levee Safety, and
Silver Jackets Programs,
FFE, PRT, Cadre

FEMA

NRF

State and Local Partnerships

Hazard Mitigation Plans
Floodplain Management Plans

Pre – and Post – Response and Recovery Activities

FEMA Mitigation Programs

USACE

FPMS, PAS,

Silver Jackets.

NMF

NRCS Conservation Easements USACE
Rehabilitation
Assistance Program,
NDRF
Silver Jackets

FEMA Mitigation, PA, and IA Programs

Federal Recovery Programs "The Flood Fight"

Actions taken **DURING** the initial impact of a disaster, including those to save lives and prevent further property damage

Emergency system strengthening

Monitor and report flood impact

Monitor system performance

Support State / Local FF

"Getting back on our feet"

Actions taken AFTER the initial impact, including those directed toward a return to normalcy.

Repair damaged systems

Assess and document system performance

Implement mitigation measures / system improvements



Kansas City District Emergency Management



816-426-6320



- 24-hour Number
- Automatically pages EM staff
- Goal is to return all calls within 7 minutes
- After Duty Hours, Leave Name and Telephone Number



Flood Fight Equipment and Supplies



Kansas City District Inventory



4,054,042 Sandbags



205 Super Sacks



Pumps with 7,500 feet of hose



Sandbag Machines



10,000 Linear feet of HESCO bastion

- Light Plants
- Portable Generator
- Shovels
- •BPA Pumps
- Heavy Equipment

- Plastic Sheeting
- •Filter Cloth
- •BPA Rotary Aircraft

Equipment

- Can be provided by USACE upon request from local entity
- Request through your State Emergency Management agency
- May be asked to sign payment agreement, or replace items with work in kind
- Reimbursement may be waived by District Commander
- Supplemental to State/Local efforts

Automatic Sandbag Filling Machine



- ~25 bags p/min
- ~1500 p/hr
- Belt Driven
- 3 Machines in **KC** District
- Manufactured in Lenexa, KS



Preparedness – State of Kansas



- Meet prior to each flood season with Kansas Department of Emergency Management
- Flood Fight Training
 - Provided upon request to public entities and when resources are available
 - Requires local entity to provide certain support
 - No direct costs to a local entity
- Provided to the public sponsors of congressionally authorized flood risk management projects on a 5-yr cycle
- Recent flood fight training in Kansas
 - 2018 Topeka and Salina
 - Included Levee Sponsors from Lawrence, Ottawa, Osawatomie, North Topeka, South Topeka, Soldier Creek, Salina, Gypsum, Abilene, and Barnard
 - 2018 Flood Exercise Salina
 - > 2017 Flood Exercise Osawatomie



Response Operations



USACE assistance is supplemental to state and local efforts.

Can provide two types of assistance

- Technical
 - Providing People (technical resources, liaisons, etc)
- Direct Assistance
 - Providing stuff (sandbags, sandbag filling machines, pumps, initiating contracts to support others)

March – May: Lower MO River Basin Flood

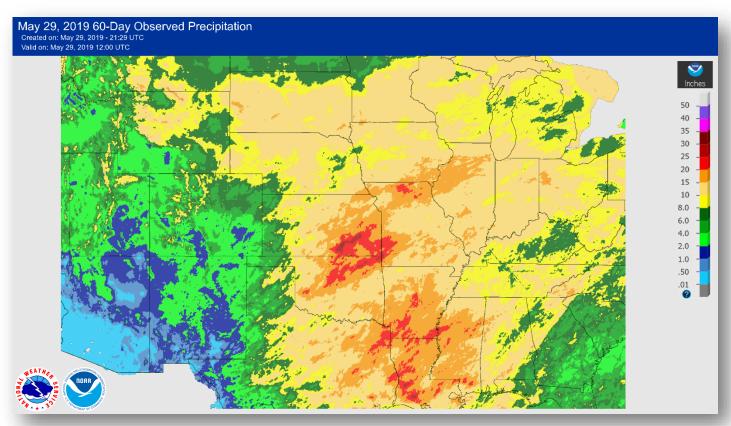


March 2019:

- Rain on snowpack and frozen ground in Nebraska, and South Dakota.
- Record flows on tributaries below the large mainstem storage reservoirs.
- Unregulated runoff

May 2019:

- Record rainfall in Kansas and western Missouri, 3-5x normal.
- River and reservoir levels were still elevated from March event.
- 9 of 18 NWK Reservoirs hit record pool



NWKFLOOD RESPONSE – EOC ACTIVATION



- Activated March 13th
 - 240 days
 - ~1 week of 24hr ops
- 150+ personnel supporting
 - GIS
 - Engineering
 - Operations
 - Resource Management
 - Public Affairs
 - Contracting
 - PM/Planning
 - Real Estate
 - Construction
 - MSO
 - OC

What we do in the EOC...

- Manage Response/Flood Fight Ops
- Daily Status/Information Briefs
- Stakeholder engagement calls
- Resource Requests
- Media Interviews/Public Messaging
- Response planning and execution
- Daily Deployments and Coordination (Internal and External)



Crisis Management Team (CMT) briefs

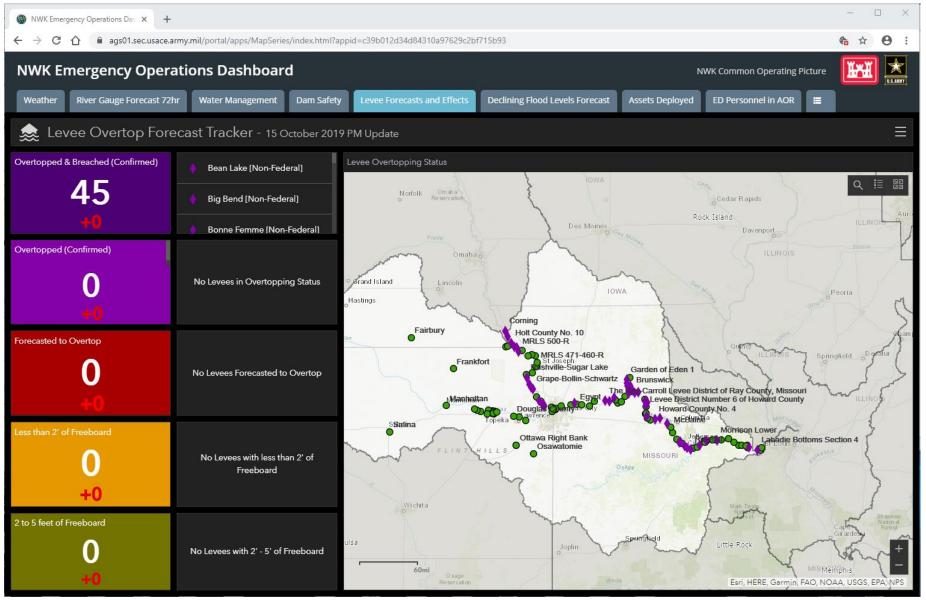


"high level decision making..."



COMMON OPERATING PICTURE (K-COP)





NWKFLOOD RESPONSE – DIRECT ASSISTANCE





≥ 1.6 million sandbag issues



40 pumps issued/leased

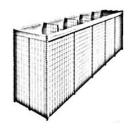


4 auto sandbag machines deployed

2 gravity fed sandbag machines deployed







5600 linear feet HESCO deployed





KANSAS LEVEES - DAMAGES



- Federal Levees

- MRLS 500-R
- MRLS 471-460-R
- MRLS 440-R

Non-Federal Levees

- Kansas Department of Corrections
- Henry Pohl
- Grape-Bollin-Schwartz
- Wolcott DD Sections 1, 2, and 3



Henry Pohl Levee March 27th 2019 Atchison County, KS

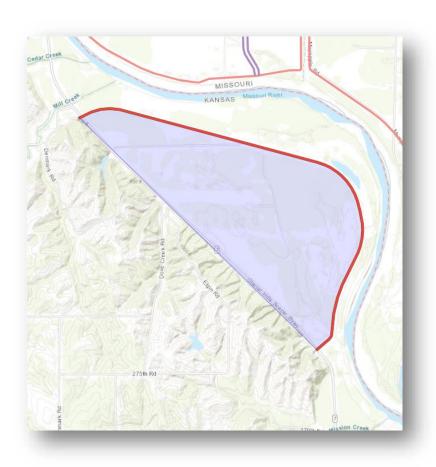
Elwood, KS March 2019

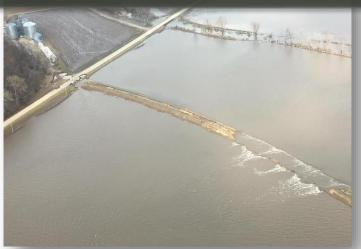


MRLS 500-R



- 1st Federal levee to overtop and breach since 1993
- Doniphan County, KS





03/28/2019

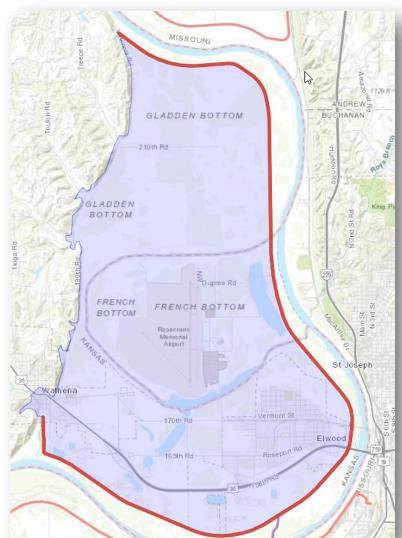


03/23/2019



MRLS 471-460-R









Buchanan CO, MO/Doniphan CO, KS



Levee Rehabilitation Purpose



- ➤ Repair of "Active" flood risk management (FRM) projects damaged or destroyed by floods and Federally authorized and constructed coastal storm risk management (CSRM) projects damaged or destroyed by wind, wave, or water action of an other than ordinary nature.
- ➤ The intent of this program is to ensure that damaged flood risk management projects are operationally effective prior to the next flood season.



Levee Rehabilitation Policy



- > Active projects damaged by a flood or coastal storm
- Deficient/deferred maintenance is sponsor's responsibility
- Assistance is limited to pre-disaster condition and level of protection
- Cost share
 - Federal flood risk management project: 100% Federal
 - Non-Federal flood risk management project
 - 80% Federal and 20% Local
 - Local cost share can be cash, work-in-kind, or combination
 - Work-in-Kind value is based on the Corps' estimate to accomplish work



Levee Rehabilitation Policy

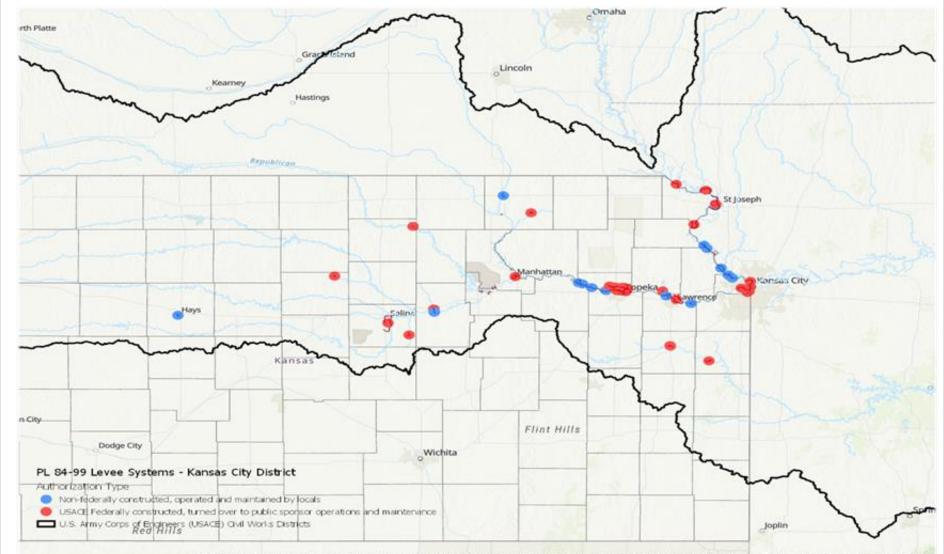


- ➤ Damages must exceed \$15,000 (Local Maint.)
- > Favorable Benefit Cost Ratio (BCR) is required
- Cooperation Agreement required
- ➤ Land, easements, rights-of-way, relocations and borrow are the public sponsors' responsibility to provide at no cost to the Federal Government



"Active" PL84-99 Levee Systems Kansas City District - KS



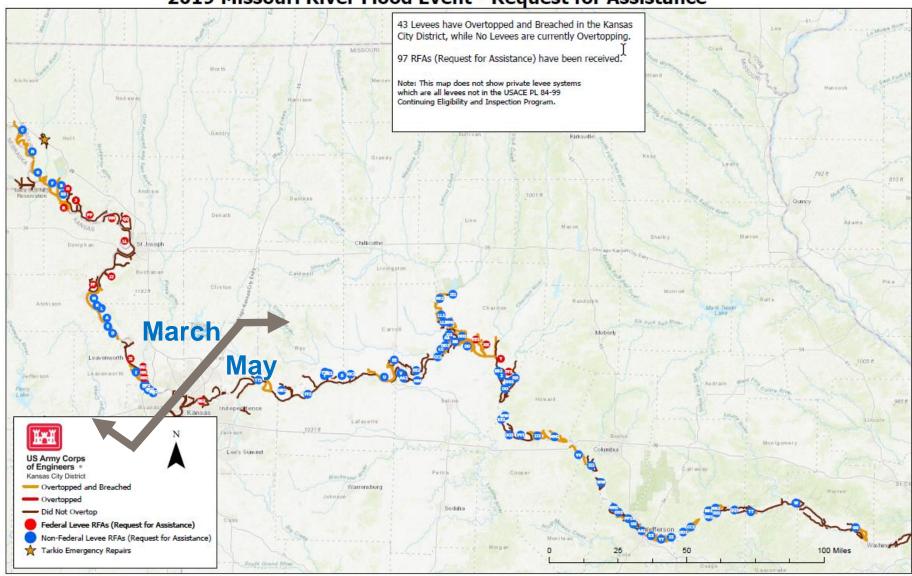




2019 Requests for Assistance



2019 Missouri River Flood Event - Request for Assistance



U.S.ARMY

QUESTIONS



