

ESF 3 - Public Works and Engineering

Coordinating Agency:

Sedgwick County Public Works

Primary Agency:

City of Wichita Public Works And Utilities

Sedgwick County Environmental Resources

Support Agencies:

American Institute of Architects (AIA) - Kansas Chapter

City of Andale Public Works

City of Bel Aire Public Works

City of Bentley Public Works

City of Cheney Public Works

City of Clearwater Public Works

City of Colwich Public Works

City of Derby Public Works

City of Eastborough Government

City of Garden Plain Public Works

City of Goddard Public Works

City of Haysville Public Works

City of Kechi Public Works

City of Maize Public Works

City of Mount Hope Public Works

City of Mulvane Public Works

City of Park City Public Works

City of Sedgwick Public Works

City of Valley Center Public Works

City of Wichita Environmental Health Department

Kansas Municipal Utilities

Sedgwick County Emergency Management

Sedgwick County Geographic Information Services

Sedgwick County Purchasing Department

I. Purpose and Scope

A. Purpose

1. The purpose of ESF 3 is to provide resources of member agencies to support Public Works and Engineering needs in Sedgwick County.

B. Scope

1. ESF 3 addresses both emergency public works assistance and engineering support. Specifically, it discusses:
 - a. Infrastructure protection and emergency restoration;
 - b. Safety inspections and other assistance for first responders;
 - c. Engineering and construction services;
 - d. Debris management operations; and
 - e. Safety of public water supplies and wastewater treatment facilities.

II. References and Authorities

Local/Regional

- Sedgwick County Code of Ordinances Chapter 9.
- Sedgwick County Hazard Analysis
- Sedgwick County Debris Management Plan
- Kansas Homeland Security Region G- Hazard Mitigation Plan 2019

State Authorities

- Executive Order 05-03, Use of the National Incident Management System (NIMS);
- Kansas Statutes Annotated (KSA), 48-9a01, Emergency Management Assistance Compact (EMAC);
- KSA 48-904 through 48-958: as amended, State and County Emergency Management Responsibilities; exemption of drivers of utility service vehicles from certain requirements;
- KSA 66-105 common carriers defined;
- KSA 66-106 State Corporation Commission - Rules and regulations; assessment of costs; conferral with other authorities; agreements; contributions and grants, joint investigations, hearings, orders; duties of attorney general;
- KSA 66-1,108 Transportation by motor carriers, definitions;
- KSA 66-1,111 Types of carriers which must comply with act and other applicable laws;
- KSA 66-1,112 Authority of commission to regulate public motor carriers; rate-making procedures; exemption for state antitrust laws;
- State of Kansas Response Plan, 2017.

State Administrative Regulations

- 82-4-1. Definitions.
- 82-4-2. General duty of carrier.

Federal

- Title II of the Americans with Disabilities Act;

- 42 U.S.C. 11001-11050 Emergency Planning & Community Right-to-Know Act (EPCRA);
- 49 U.S.C. 5101-5127 Transportation of Hazardous Material;
- National Response Framework;
- Homeland Security Presidential Directive – 5: Management of Domestic Incidents;
- Presidential Policy Directive – 8: National Preparedness;
- Comprehensive Planning Guide (CPG) 101.

III. Assumptions

1. The timely and coordinated deployment of public works and engineering resources will have a direct impact on the community's ability to respond to and recover from a disaster.
2. Many disasters may require assistance from, and coordination of, public works departments throughout Sedgwick County.
3. Disasters may damage, delay, and/or overwhelm public works resources and systems usually readily available to respond.
4. While local public works resources meet the needs of most emergencies, some disasters will require the coordination of county-wide public works resources, implementation of mutual aid, utilization of private resources, and/or assistance from the state and/or federal government.
5. The amount of debris resulting from a disaster could exceed an individual city's or the County's removal, processing, recycling, and disposal capabilities.
6. The cities and/or the county may contract with private contractors to play a significant role in the debris clearance, removal, recycling, and disposal process.
7. Depending on the situation, the state may authorize the use of state resources to assist in the removal and disposal of debris.
8. Prioritization of public works and engineering support and resources will be assigned based on the specific requirements of each incident.

IV. Concept of Operations

A. General

1. ESF-3 is organized consistent with the Sedgwick County Emergency Operations Center, the requirements of the National Response Framework, the National Incident Management System, and the Incident Command System. This structure and system supports incident assessment, planning, procurement, deployment, and coordination and support operations to Sedgwick County through the Sedgwick County Incident Response Framework, Area Operations and Incident Support Teams (ISTs) to provide a timely and appropriate response to an emergency or situation.
2. Sedgwick County Emergency Communications will notify the "on call" Emergency Management Duty Officer (DO) when Sedgwick County has been threatened or impacted by an emergency or disaster event as provided in the County Warning Point procedure. The DO through monitoring and/or communication with Emergency Communications is responsible for providing initial notification to the Emergency Management Director or designee to initiate EOC activation and notification procedures. EOC activation is further detailed in ESF-5 "Information and Planning".
3. Sedgwick County Public Works serves as the coordinating agency for ESF #3. Sedgwick County Public Works may also designate other agencies as needed. Sedgwick County Emergency Management will serve as the initial notification source of EOC/EOP activation ESF-3 partners may be requested or deployed prior to activation to assist with initial incident response and stabilization. These agencies will use established emergency response plans and procedures to respond accordingly. Once ESF #3 is full activated with the rest of the EOC, Primary and Support agencies will retain administrative control of its resources and personnel but will be under the operational control of ESF-3.
4. Sedgwick County Public Works and other ESF-3 partners can provide liaisons to assist with state and other county or regional as required and dependent on jurisdiction.
5. The EOC and ESF-3 partners will collect and disseminate information to and from the EOC. The representative of ESF-3 in the EOC will make sure to note and share updates from ESF-3 partners to the EOC and ensure that any pertinent updates from the EOC make it back to ESF partners as needed.

B. Protective Actions

1. Community Infrastructure inside a 100 year flood plain
ESF-3 and partners will discuss and engage efforts to mitigate any situations in which community and critical infrastructure located utilized approved building codes. In the instance in which these facilities could be compromised ESF-3 will work with partners to employ appropriate levels of protections feasible for the facility. This could include sandbagging and pumping operations.

2. Placement, size, and fuel procurement strategy of water transfer pumps.
Water Transfer Pumps: The Cheney substation supplies power to the Cheney reservoir pump station and is the sole line of supply of electricity. The Cheney pump station has 5-4,000 volt (135 amp) 1,000 HP pumps electronically controlled by the filter plant in Wichita (manual controls are on site). There are currently no backup generators for emergency power at the Cheney pump station in the advent of power loss. Three substations service the Wichita water (Hess) pump station, and two substations service the Wichita well field, all do not have backup generators in the event of power loss. ESF-3 will work the public works departments and ESF-7 (Logistics) to utilize either local government fuel sources or find sources if needed. ESF-3 will work ESF-12 utility partners to assist with power restoration
3. Location and specification of sandbagging operations
Location Sedgwick County West Yard Maintenance Facility, 4701 S. West St. Wichita, Kansas.
Requests for sandbagging will be directed to Sedgwick County Emergency Management for delivery to the site(s) determined by Sedgwick County Public Works. Sand will be acquired from city and county public works yards and hauled using government vehicles to the site(s). The respective public works department(s) will relay the location of sandbags via public information officers to the media for the public if they desire to get them for flood protection. Pre-made sand-bags or the Equipment will be made available for use to fill sand into sandbags dependent on the situation.

C. Debris Management

1. Sedgwick County has an approved Debris management plan by Federal Emergency Management Agency. Sedgwick County will utilize the plan detailed there to accomplish debris management operations.

D. Structure and Environmental Assessments

1. Inspection of Structures Capability-

a. Initial assessment

1. Local government officials will conduct an initial damage assessment using all available resources (i.e., fire, police, etc.) as soon as possible following a disaster. Early identification of problems affecting the population will enable the Executive Staff to make prompt and efficient decisions concerning resources available and needed. This initial report will be submitted to the Sedgwick County Emergency Management Director, who in turn will advise the Adjutant General's Department, Division of Emergency Management, of the situation. In the case of radiological or hazardous materials, the State Division of Emergency Management Technological Hazards Section will be notified also. Sedgwick County Public Works is responsible for coordinating debris removal and disposal in the unincorporated

areas of the county.

b. Detailed Damage Assessment

1. Subsequent to rescue and damage reporting operations, a detailed damage assessment survey must be made to develop specific information on the severity and magnitude of the disaster. These damage assessment reports will be used by the state and federal government, as well as by private relief organizations, in formulating requests for assistance.
2. ESF-3 local capabilities to inspect the safety of structures (public and private) and where additional structure assessment support come from includes the following:
 - a. Public: Public Works staff engineers would inspect and determine structural integrity and safety of public structures.
 - b. Support would come from other jurisdiction public works departments, MABCD as well as KDOT as required or requested.
3. Damage Assessment Officer
 - a. The Sedgwick County Appraiser will serve as the Damage Assessment Officer. Specific responsibilities include, but are not limited to, the following:
 1. Establish point of contact with local officials (County Commissioners, Mayors, City Administrator, Chairperson of City Councils, Emergency Management Director, etc.) to determine approximate area affected.
 - b. Alert and activate damage assessment teams and provide team briefing on the following:
 1. Procedures, checklists, forms.
 2. Point of contact in the affected area.
 3. Specifics of the disaster.
 - c. Schedule for receiving assessment information.
 1. Provide updated disaster information to Executive Staff.
 2. Coordinate with the Public Information Officer, or the JIC to keep the public informed of hazardous conditions in regards to bridges, roads and buildings.

- d. Coordinate with public works departments, MABCD and other partners for posting unsafe building, roads and bridges.
- e. Coordinate with Executive Staff the priority of restoration of public facilities and tracking those facilities as possible hazard mitigation projects.
- f. Coordinate with local volunteer historical societies, as well as the Kansas State Historical Society and local public works departments, if appropriate, for the possibility of restoring or demolishing buildings on the State or National Historic Registries.
- g. Assist in preparation of damage assessment reports forwarded to the state.

4. *Damage Assessment Teams*

- a. Damage assessment survey teams will consist primarily of local government employees. When necessary, private sector personnel from the field of engineering, building trades, property assessment, and other related areas will be used to supplement existing team members. During radiological incidents/accidents, radiological protection personnel will be a part of the survey team. When the need for specialized assistance occurs, such as a hazardous materials accident, appropriate personnel will be added to the teams.

E. **Damage Assessment**

1. Assessment of damage to public buildings (city or county government owned) is the responsibility of the county or city public works entity in coordination with MABCD as required. Assessment of damage to public buildings in other cities within the county will be the responsibility of the assigned department(s) of the cities affected.
2. Damage assessment of county roads, bridges and culverts will be accomplished by Sedgwick County Public Works. The City of Wichita Public Works Department and the assigned department(s) of other cities within the county will be responsible for the assessment of damage to city streets.
 - a. Public utilities (i.e., electricity, gas, water, sewers) will be assessed for damages by the affected utilities. Privately owned utility companies are considered essential community services. The companies will conduct their own damage assessment, and the information will be collected by the Sedgwick County Emergency Operations to be distributed to applicable county departments.
 - b. **Private Damage Assessment**
Damages sustained by private businesses and individuals will be determined by the Damage Assessment Officer in coordination with the Sedgwick County Emergency Management Department

and volunteers from various organizations.

The Red Cross will conduct an independent damage assessment survey to analyze the situation and determine human necessities. The results of their survey will be useful as a crosscheck.

B. Environmental Assessments

1. An environmental assessment or audit may be conducted by the Sedgwick County Public Works Environmental Resources department, City Environmental department, Kansas Department of Health and Environment and/or the Environmental Protection Agency to establish the need for a testing or monitoring program.
2. This assessment should be done on ash, soil, ground & surface water.

C. Infrastructure Restoration

1. ESF-3 will coordinate with local jurisdictions public works departments and KDOT to repair/restore local roads, bridges and culverts.
2. ESF-3 will coordinate with local public works departments and rural water districts to help with repair/restoration of local water and wastewater systems affect by an incident.
 - c. Contamination may occur from petroleum spills at staging and reduction sites, or runoff from the debris piles, burn sites, and ash piles assessment reports from the cities, consolidate this information and report it to the ESF-3 Coordinator in the County EOC.
2. County/city public works departments maintain a listing of Public Works Department owned equipment and trained operators including equipment, personnel and supplies. The Sedgwick County Purchasing Department and Sedgwick County Public Works Department maintain lists of local contractors and equipment rental businesses, including those qualified to remove hazardous materials, substances or wastes, asbestos and lead-based paint.

V. Responsibilities

The following list identifies the responsibilities designated to each agency/organization for this ESF. The Coordinating and Primary Agency and their responsibilities are listed first. The Supporting Agencies follow in alphabetical order.

Coordinating: Sedgwick County Public Works	
<i>Preparedness (Pre-Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Maintain a central personnel roster, contact, and resource lists to support ESF-3 tasks.
2	Identify responsibilities for liaison roles with State and adjacent county transportation officials.
3	Develop standard operating guides and checklists to support ESF-3 activities.
4	Develop and maintain ESF-3 Annex.
5	Develop mutual aid and other support agreements with surrounding jurisdictions and the private sector.
6	Identify established pre-disaster contracts.
7	Identify critical infrastructure within the 100 year flood plain.
8	Identify sandbagging operation procedures and water transfer pump placement, size and fuel procurement strategy.
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Designate personnel to coordinate ESF-3 activities in EOC.
2	Manage the collection, processing, and dissemination of information between ESF-3 and EOC or incident command.
3	Inspect damage to streets, bridges, and private and public buildings.
4	Assist in clearance of debris from roads to facilitate emergency operations.
5	Coordinate with ESF 10 on hazardous material debris removal.

Primary: City of Wichita Public Works And Utilities	
<i>Preparedness (Pre-Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Identify sandbagging operation procedures and water transfer pump placement, size and fuel procurement strategy.
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Andale Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.

Supporting: City of Bel Aire Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Bentley Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Cheney Public Works	
<i>Preparedness (Pre-Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Collect, process, and disseminate information to and from the EOC.
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Clearwater Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Colwich Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Derby Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Garden Plain Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Goddard Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Haysville Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Kechi Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Maize Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	
1	Inspect damage to streets, bridges, and private and public buildings.

Supporting: City of Mount Hope Public Works	
<i>Response (During Event) Actions for ESF 3 - Public Works and Engineering</i>	

1	Assist in clearance of debris from roads to facilitate emergency operations.
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Supporting: City of Mulvane Public Works	
Response (During Event) Actions for ESF 3 - Public Works and Engineering	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Park City Public Works	
Response (During Event) Actions for ESF 3 - Public Works and Engineering	
1	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Sedgwick Public Works	
Response (During Event) Actions for ESF 3 - Public Works and Engineering	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: City of Valley Center Public Works	
Response (During Event) Actions for ESF 3 - Public Works and Engineering	
1	Inspect damage to streets, bridges, and private and public buildings.
2	Assist in clearance of debris from roads to facilitate emergency operations.

Supporting: Sedgwick County Emergency Management	
Preparedness (Pre-Event) Actions for ESF 3 - Public Works and Engineering	
1	Identify who is responsible for initial notification of ESF-3 personnel.
2	Train personnel on EOC operation, the Incident Command System (ICS) and the National Incident Management System (NIMS).

Supporting: Sedgwick County Purchasing Department	
Preparedness (Pre-Event) Actions for ESF 3 - Public Works and Engineering	
1	Identify established pre-disaster contracts.

City of Bel Aire Police Department	
Response (During Event) Actions for ESF 3 - Public Works and Engineering	
1	Inspect damage to streets, bridges, and private and public buildings.

Metropolitan Area Building and Construction Department	
Response (During Event) Actions for ESF 3 - Public Works and Engineering	
1	Inspect damage to streets, bridges, and private and public buildings.

VI. Financial Management

- A. ESF 3 is responsible for coordinating with Sedgwick County Purchasing Department to manage ESF 3 expenses relevant to an event.

- B. During a response, each agency/department funds disaster operations from their current operating budget and are responsible for recording and tracking agency expenditures. If a federally declared disaster exists, each agency is responsible for seeking reimbursement in accordance to the formula has established by the Federal Emergency Management Agency via the FEMA/State Agreement.
- C. Expenditures by support entities will be documented by those entities and submitted directly to the Sedgwick County Purchasing Department or a designated Finance Service officer as soon as possible.14