

Stormwater Pollution Prevention Plan for:

Add/Alter Commissary
310 Kansas Avenue
Fort Leavenworth, Kansas 66027

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Estimated Project Construction Dates:

Start of Construction: June 2012
Completion of Construction: November 2013

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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 *Project/Site Information*

Project/Site Name: Fort Leavenworth Commissary Add/Alter

Project Street/Location: Intersection of Grant Avenue & Kansas Avenue

City: Fort Leavenworth State: Kansas Zip Code: 66027

County or Similar Subdivision: Leavenworth County

Latitude/Longitude

Latitude:

1. 39° 20' 24" N (degrees, minutes, seconds)

Longitude:

1. 94° 55' 21" W (degrees, minutes, seconds)

Method for determining latitude/longitude:

USGS topographic map (specify scale: _____) EPA Web site GPS

Other (please specify):

Is the project located in Indian country? Yes No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." N/A

Is this project considered a federal facility? Yes No

NPDES project or permit tracking number: (to be assigned)

1.2 Contact Information/ Responsible Parties

Project Information:

Operator:

Defense Commissary Agency
Tarun K Sen, Lead Planner
Dir. of Performance & Policy
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Project Manager or Site Supervisor:

To be determined

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1.3 Nature and Sequence of Construction Activity

The proposed construction will consist of two single story building additions to the existing Commissary, which is approximately 68,700 square feet. Additions to the Commissary will be approximately 9,960 square feet to the west of the building and 8,500 square feet to the southeast. These additions will have steel roofs and CMU exterior wall structures without basements. A 580 square foot loading dock will also be repaved along the north edge of the building.

In addition to building construction, the entrance to the Commissary, the north section of the parking lot, and south retaining wall will be reconstructed.

The 9.82 acre site is located in Fort Leavenworth in Leavenworth County, Kansas. The project site is bounded to the east by Grant Avenue, to the north by Iowa Avenue, and to the west by 4th Street, and to the south by the Armed Forces Bank. It also has three access points: one on Kansas Avenue and two along 4th Street.

The soil disturbing activity associated with this project will include stripping of topsoil, removal of existing sidewalk and pavement, installing a stabilized construction entrance, installing erosion and sediment control measures, the construction building addition, a truck loading area, site grading, and installation of permanent BMP's. In general, the site will be constructed in one phase. After completion of the proposed construction, permanent landscape restoration will be

installed on all remaining areas which were disturbed during construction. In addition to landscape restoration, bioretention swales will also be constructed to reduce the quantity and improve the quality of the stormwater running off the site.

What is the function of the construction activity?

Residential Commercial Industrial Road Construction

Linear Utility

Other (please specify): _____

Estimated Project Start Date:

June 2012

Estimated Project Completion Date:

November 2013

Construction must be sequenced to minimize the exposure time of cleared surface areas and prevent exposing more than five acres of bare earth at any time. The Contractor is to coordinate the work to maintain continuous pollution prevention. Stabilization shall be accomplished by temporarily or permanently protecting the disturbed soil surface from rainfall impacts and runoff.

- 1.) Before any construction begins, silt fences will be set up along the perimeter designated in Sheet C1.1 In addition to these measures, existing inlets will be protected, and any other erosion control practices indicated in the plan will be implemented. (April 2011)
- 2.) Construction staging and material storage areas will be established including the construction of the temporary concrete washout area. In addition, the temporary sanitary sewer facilities, stabilized construction entrance, and dumpsters shall be installed. (April-May 2011)
- 3.) The initial construction will include the eradication of the existing asphalt and concrete pavements and grading the land in proposed addition areas. A temporary diversion dike shall also be constructed around the southeast addition according to plan C1.1 in the appendix. (May-November 2011)
- 4.) Install utilities, sanitary sewer and water connections in this initial phase. The downspouts along the southeast corner of the Commissary and the existing sewer pipe under the proposed building addition in this area will be removed prior to construction. After new storm sewers and inlets are constructed, they shall be protected from sediment as per the erosion control plan in the appendix. The fire hydrant connections will also be relocated at this time. (June-October 2011)
- 5.) Construction of the building additions shall commence at this time. When bare earth is covered with aggregate, pavement or building, the sidewalk and parking lot area south of the Commissary may be reconstructed. (October 2011-March 2012)
- 6.) After the north end of the parking lot is restructured, construction on the southern end of the parking lot may begin. This includes the installation of a new retaining wall and paved

parking area. Side slopes steeper than 3H:1V should be stabilized with an erosion control blanket. Implementation of the bioretention swale shall also begin at this time. (May-July 2012)

- 7.) After termination of the proposed construction activities, temporary washout areas shall be properly disposed of and removed. The temporary diversion dike may be removed at this time. Install final stabilization including permanent seeding and erosion control including final planted areas throughout the site. File NPDES Notice of Termination. (July 2012)
- 8.) Post Construction: Monitor stabilized areas for three months.
- 9.) Estimated Beneficial Occupancy Date: October 2012

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil Type:

Soil borings were performed in July 2010 by Professional Service Industries, Inc. of Kansas City, Kansas. Borings on proposed building sites ranged from 30 to 50 feet deep whereas borings on landscape sites were approximately 10 feet. The borings indicate that the site has approximately 6 inches of topsoil and that there is 2 inches of asphalt covering a portion of the west addition building. Subsurface conditions range from lean to fat clay. Field tests indicate these soils are fine-grained and firm to very stiff. Near saturated soils were identified at depths as shallow as 4 feet below the surface. Groundwater was observed in some borings at a depth of 23 to 30 feet. High plasticity fat clays were identified in the addition area on the northwest corner of the existing Commissary building, and are to be removed when present less than 2 feet from the surface in the construction area. An NRCS soils report classifies the soil on site as "Marshall silt loam", having a hydrologic soil rating of B.

Slopes:

The existing topography of the site consists of a 2-5% sloped parking lot with steeper slopes ranging from 10-20% around the Commissary. The site generally slopes from its highest point in the northeast corner to southwest corner of the project area. This flow pattern will be maintained in the grading of the north parking lot.

Drainage Patterns:

Stormwater from the existing Commissary site flows directly into the storm sewer system. There are no detention basins on site. Downspouts circumvent the Commissary roof and conduct stormwater directly into the storm sewer system. A series of grated and curb inlets capture runoff from the paved loading area north of the Commissary building.

Rain falling onto the parking lot will flow southwest until it reaches curb inlets located on the medians or the southern retaining wall. Water along this retaining wall flows from east to west into a catch basin.

Rain falling on the eastern edge of the site boundary will flow down steep grass slopes and into a catch basin or onto the parking lot where it will be routed to an inlet at the southeast corner of the project site. Any water running off the west side of the Commissary building will flow down steep grass slopes into a curb inlet. Part of the stormwater drainage system will be reconstructed in the areas of the building additions.

The existing grassed parking lot median on the west boundary of the site contains three concrete walkways which extend from the eastern edge of the median into its center. During construction, these walkways will be removed and the cutouts in the curb, maintained. Inside the grassed median, bioretention cells will be implemented to allow the infiltration of stormwater prior to entering the storm sewer system through a catch basin at the southern end of the median.

Vegetation:

The existing Commissary site area is approximately 31% pervious. All of the pervious area on-site consists of short grass. There is, however, a line of trees along the eastern ridge of the site and in the west parking median. There are a few large trees on the northwest side of the site and in the southeast corner of the Commissary. Existing trees near construction sites will be protected with fencing, as shown in Sheet C1.1 in the appendix. A total of 4 trees will need to be removed during construction.

Upon completion of the project, the remaining pervious areas will be covered with dense grass, trees, and shrubs as indicated in the Landscape Plan on sheet L1.1.

1.5 Construction Site Estimates

The following are estimates of the project site characteristics before and after construction:

Construction Site Area to be disturbed	4.63 acres
Total Project Area	9.82 acres
Percentage impervious area before construction	69%
SCS Runoff Curve Number before construction	72
Percentage impervious area after construction	74%
SCS Runoff Curve Number after construction	76

1.6 Receiving Waters

Description of receiving waters:

Fort Leavenworth is located in Independence-Sugar Watershed 10240011 just west of the Missouri River. This watershed is part of the Missouri Basin.

All stormwater runoff from the existing site enters the storm sewer system directly and then flows into Corral Creek, which is located southeast of Kansas Avenue. This creek flows from west to east, eventually discharging into the Missouri River.

Fort Leavenworth is a regulated small MS4. Under the NPDES storm water program, operators of regulated small MS4s require authorization to discharge pollutants under an NPDES permit.

Description of storm sewer systems:

In general, all storm sewer lines are routed to the southwest corner of the construction site where they continue offsite in a 24" reinforced concrete pipe.

The runoff from the northern half of the existing Commissary roof enters an 18" reinforced concrete pipe which then runs south and joins the sewer line under the main parking lot. Rainwater falling on the southern half of the existing Commissary roof enters an 8" PVC pipe, which is connected to an inlet which also collects runoff from the grassed ridge on the eastern border of the site.

Runoff from the parking lot enters the storm sewer system through 7 catch basins and then flows through 15" reinforced concrete pipes which connect to the southwest corner of the site. There are two inlets located in the southeast corner of the parking lot which capture runoff from the grassed ridges.

An inlet located on the southwest corner of the existing Commissary building connects to an 18" reinforced concrete pipe which then connects to a 24" pipe near the southern edge of the project site. This inlet will capture runoff from construction on the western side of the Commissary.

A retaining wall, located on the northern boundary of the project site, captures all surface water flowing from the grassed area along Grant Avenue and directs it to an inlet connected

to a 18" reinforced concrete pipe. The retaining wall on the southern edge of the parking lot captures runoff from the lot and directs it to a catch basin on the southwest corner of the site.

Runoff from the site eventually enters the Corral Creek, which is not subject to any TMDL requirements.

Description of impaired waters or waters subject to TMDLs: N/A

1.7 Site Features and Sensitive Areas to be Protected

Description of unique features and measures to protect them:

There are seven trees within the west parking median area which are to be preserved throughout the construction process and protected with safety fence while the bioretention swale is constructed. Trees adjacent to the construction activities near the Commissary building will also be protected with fencing.

1.8 Potential Sources of Pollution

- Potential sources of sediment include clearing, grading and site excavation operations, vehicle tracking, topsoil stripping, and landscaping operations.
- Construction activity including paving, curb/gutter installation, concrete pouring/mortar/stucco, building construction, concrete washout areas.
- Combined staging area including fueling activities, major equipment maintenance, sanitary facilities, and hazardous waste storage.
- Materials storage area including general building materials, solvents, adhesives, paving materials, paints, aggregates, trash.

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

Yes No

- Describe how this determination was made:

An Environmental Record of Determination was prepared in 2011 for the additions to the Commissary building. At that time it was determined that there are no critical habitats or threatened species located in the area which would be impacted by the construction.

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

Yes No

- Describe how this determination was made:

An Environmental Record of Determination was prepared in 2011 for the expansion of the Commissary building. As a result, the findings indicate that no historic sites would be impacted by the proposed construction.

1.11 Maps

These maps include:

- Direction(s) of stormwater flow and approximate slopes before and after major grading activities
- Areas and timing of soil disturbance and areas that will not be disturbed
- Natural features to be preserved
- Locations of major structural and non-structural BMPs identified in the SWPPP
- Locations and timing of stabilization measures (see sequence of construction above)
- Locations of off-site material, waste, borrow, or equipment storage areas
- Locations of all waters of the U.S., including wetlands
- Locations where stormwater discharges to a surface water
- Locations of storm drain inlets
- Areas where final stabilization has been accomplished

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

During the excavation process for the building additions, the topsoil will be immediately removed from the site. Any soil that is stockpiled before transferring off the premises will not exceed a 2 horizontal to 1 vertical slope. Any dirt piles which are not immediately transported offsite will be covered to prevent erosion.

There are several trees within the project site that will be preserved during the construction process. Only trees marked for removal on Sheet C1.1 in the appendix will be removed. The remaining trees adjacent to construction areas will be protected with fencing. In addition to fencing, the sidewalk addition on the west side of the Commissary will be constructed around a 48" diameter tree.

2.2 Control Stormwater Flowing Onto and Through the Project

Before construction operations begin, silt fence will be installed around the new additions to the Commissary building. Sandbags will be placed along the northern edge of the west addition to the existing Commissary building to prevent runoff onto the construction site from the paved area north of the Commissary. Sandbags will be placed along the curb cutouts in the west parking lot median to prevent sediment-laden runoff from entering the median while the bioretention swale is constructed. An earthen diversion dike will be constructed around the southeast addition which will drain to a catch basin on the northeast corner of the parking lot. This earthen diversion dike will prevent stormwater east of the Commissary from entering the parking lot during grading and reconstruction.

Maintenance and Inspection: The graded areas, silt fence and BMP's will be inspected weekly to ensure that there are no structural failures and immediately after rain events.

Responsible Staff: To Be Determined

Construction Specifications

Diversion Dike

1. The dike should be compacted by earth moving equipment, drain to the catch basin on the northeast corner of the parking lot, have 2:1 or flatter side slopes, be 18 in. minimum height, and a minimum top width of 24 in.
2. Temporary stabilization may be achieved using seed and mulching for slopes less than 5% and either rip-rap or sod for slopes in excess of 5%. In either case, stabilization of the earth dike should be completed immediately after construction or prior to the first rain. Seeding and mulching details are included in Sheet C1.2 in the appendix.
3. The stone riprap, recycled concrete, etc. used for stabilization should be pressed into the soil with construction equipment.
4. Filter cloth may be used to cover dikes in use for long periods.

5. Construction activity on the earth dike should be kept to a minimum.
6. Irrigation may be required to establish sufficient vegetation to prevent erosion.
7. Permanent drainage facilities must be designed by a professional engineer (see the local drainage design criteria for proper design).

Maintenance

1. Replace lost riprap, damaged linings or soil stabilizers as needed in the case of a washout.
2. Remove debris and sediment and repair linings and embankments as needed.
3. Temporary conveyances should be completely removed as soon as the surrounding drainage area has been stabilized or at the completion of construction.

Inspection

1. Inspect prior to forecast rain, daily during extended rain events, after rain events, and at least twice every seven calendar days, at least 72 hours apart.
2. Inspect the berm for washouts. Replace lost riprap, damaged linings or soil stabilizers as needed.

2.3 Stabilize Soils

Temporary Stabilization:

Temporary seeding will be used on any area where construction activity is suspended for more than twenty-one days to stabilize erodible materials. Seed shall be evenly applied with a cyclone seeder, drill, culti-packer seeder, or hydroseeder. Refer to the Erosion Control Plan for guidance on seeding mixtures, rates, and acceptable planting dates for temporary seeding.

An area will be mulched within 24 hours of seed application. Acceptable mulching materials and procedures can be found on Sheet C1.2 in the appendix.

Installation Schedule: Portions of the site where construction activities will temporarily cease for more than 14 days will be stabilized with mulch. Where construction activities will temporarily cease for more than 21 days will be seeded.

Maintenance and Inspection: Mulched areas will be inspected weekly to ensure that adequate coverage is provided. Repairs will be conducted as needed.

Responsible Staff: To Be Determined

Dust Control:

Dust from the site will be controlled by using a mobile pressure-type distributor truck that will apply potable water at rate of 300 gallons per acre.

Installation Schedule: Dust control will be implemented as needed once site grading has been initiated, during windy conditions exceeding 20 mph, and while site grading is

occurring. Spraying of potable water will be performed no more than three times per day during the months of March through May and once per day from June to September or whenever dryness of soil warrants it.

Maintenance Schedule: At least one mobile unit will be available at all times during construction to apply potable water. Each mobile unit shall be equipped with a positive shutoff valve to prevent overwatering of disturbed areas.

Responsible Staff: To Be Determined

2.4 Protect Slopes

Erosion Control Blanket:

Erosion control blankets will be used to provide stabilization on steep (3H:1V or greater) interior side slopes. The blankets shall cover the entire graded side slopes. The side slopes shall be seeded and mulched before the blanket is applied. The blanket shall be installed in a 12 inch wide by 6 inch deep trench in the upside of the slope, and stapling the leading edge of the blanket in the trench. The blanket shall be rolled down the slope slowly to maintain soil contact and stapled at 12 inch intervals. The blankets can be overlapped a minimum of 2 inches and stapled at the overlapping edge. See Sheet C1.2 in the appendix for design installations.

Installation Schedule: The erosion control blankets will be installed after grading of the side slopes is complete.

Responsible Staff: To Be Determined

Construction Specifications

1. Biodegradable rolled erosion control products (RECPs) are typically composed of jute fibers, curled wood fibers, straw, coconut fiber, or a combination of these materials. In order for an RECP to be considered 100% biodegradable, the netting, sewing or adhesive system that holds the biodegradable mulch fibers together must also be biodegradable.
 - A. *Jute* is a natural fiber that is made into a yarn that is loosely woven into a biodegradable mesh. It is designed to be used in conjunction with vegetation and has longevity of approximately one year. The material is supplied in rolled strips, which should be secured to the soil with U-shaped staples or stakes in accordance with manufacturers' recommendations.
 - B. *Excelsior* (curled wood fiber) blanket material should consist of machine produced mats of curled wood excelsior with 80 percent of the fiber 6 in. or longer. The excelsior blanket should be of consistent thickness. The wood fiber must be evenly distributed over the entire area of the blanket. The top surface of the blanket should be covered with a photodegradable extruded plastic mesh. The blanket should be smolder resistant without the use of chemical additives and should be non-toxic and non-injurious to plant and animal life. Excelsior blankets should be furnished in rolled strips, a minimum

of 48 in. wide, and should have an average weight of 0.8 lb/yd², ± 10 percent, at the time of manufacture. Excelsior blankets must be secured in place with wire staples. Staples should be made of minimum 11 gauge steel wire and should be U-shaped with 8 in. legs and 2 in. crown.

2. Grade and shape the area of installation.
3. Remove all rocks, clods, vegetation or other obstructions so that the installed blankets or mats will have complete, direct contact with the soil.
4. Prepare seedbed by loosening 2 to 3 in. of topsoil.
5. Seed the area before blanket installation for erosion control and revegetation.
6. Seeding after mat installation is often specified for turf reinforcement application. When seeding prior to blanket installation, all check slots and other areas disturbed during installation must be re-seeded. Where soil filling is specified, seed the matting and the entire disturbed area after installation and prior to filling the mat with soil.
7. Fertilize and seed in accordance with seeding specifications or other types of landscaping plans. When using jute matting on a seeded area, apply approximately half the seed before laying the mat and the remainder after laying the mat. The protective matting can be laid over areas where grass has been planted and the seedlings have emerged. Where vines or other ground covers are to be planted, lay the protective matting first and then plant through matting according to design of planting.
8. Check slots are made of glass fiber strips, excelsior matting strips or tight folded jute matting blanket or strips for use on steep, highly erodible watercourses. The check slots are placed in narrow trenches 6 to 12 in. deep across the channel and left flush with the soil surface. They are to cover the full cross section of designed flow.
9. Before laying the matting, all check slots should be installed and the friable seedbed made free from clods, rocks, and roots. The surface should be compacted and finished according to the requirements of the manufacturer's recommendations.
10. Mechanical or manual lay down equipment should be capable of handling full rolls of fabric and laying the fabric smoothly without wrinkles or folds. The equipment should meet the fabric manufacturer's recommendations or equivalent standards.
11. Anchor and install as detailed in the Erosion Control Plan.

Maintenance

1. Areas where erosion is evident shall be repaired and BMPs reapplied as soon as possible. Care should be exercised to minimize the damage to protected areas while making repairs, as any area damaged will require reapplication of BMPs.

2. If washout or breakage occurs, re-install the material after repairing the damage to the slope or channel.
3. Make sure matting is uniformly in contact with the soil.
4. Check that all the lap joints are secure, the staples are flush with the ground, and that disturbed areas are seeded.

Inspection

1. Inspect Erosion Control Blankets prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
2. Inspect Erosion Control Blankets subject to non-stormwater discharges daily while non-stormwater discharges occur.

2.5 Protect Storm Drain Inlets

Drop Inlet Protection:

The proposed on-site storm drain inlets will be protected with Silt Filter Fence, Gravel and Wire Mesh, Block and Gravel, or a Filter Fabric Inserts as detailed in Sheet C1.2 in the appendix. Any existing storm drain inlets are to be protected similarly if receiving runoff from unstabilized areas. It will not be necessary to install inlet protection devices for existing inlets north of the existing Commissary loading dock since these structures are isolated from the project.

Responsible staff: To Be Determined

Construction Specifications

1. Silt Fence Drop Inlet Protection
 - a. Silt Fence shall be cut from a continuous roll to avoid joints.
 - b. Use 2" square by 4 ft. long hardwood stakes and silt-fence fabric which conforms to the AASHO M288 05 specifications.
 - c. Excavate a trench around the perimeter of the drop-inlet at least 6" deep by 4" wide. Drive the posts two feet into the ground around the inlet with a spacing less than 4 ft. apart.
 - d. Connect the tops of the posts with a wooden frame made with 2" by 4" boards. Use nails or screws for fastening. Attach wire or polymeric-mesh backing to the outside of the frame with staples, nails, wire, or zip ties.
 - e. Roll out a continuous length of silt-fence around the perimeter. Line all three sides of the trench and leave 2 to 3 feet exposed after backfilling. Attach the silt fence with wire, staples, nails, or zip ties and overlap the joints.

- f. Sediment should be removed from the perimeter of the fence when it reaches one half of the original exposed height of the silt-fence.

2. Gravel and Wire Mesh Drop Inlet Sediment Filter

- a. Wire mesh shall be laid over the drop inlet so that wire extends a minimum of 1 foot beyond each side of the inlet structure. Wire mesh with 1/2-inch openings shall be used. If more than one strip of mesh is necessary, the strips shall be overlapped.
- b. Coarse aggregate shall be placed over the wire mesh as indicated on Sheet C1.2. The depth of stone shall be at least 12 inches over the entire inlet opening. The stone shall extend beyond the inlet opening at least 18 inches on all sides.
- c. If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stones must be pulled away from the inlet, cleaned and/or replaced.

Note: This filtering device has no overflow mechanism; therefore, ponding is likely especially if sediment is not removed regularly. This type of device must never be used where overflow may endanger an exposed fill slope.

3. Block and Gravel Drop Inlet Sediment Filter

- a. Place concrete blocks lengthwise on their sides in a single row around the perimeter of the inlet, with the ends of adjacent blocks abutting. The height of the barrier can be varied, depending on design needs, by stacking combinations of 4-inch, 8-inch and 12-inch wide blocks. The barrier of blocks shall be at least 12-inches high and no greater than 24-inches high.
- b. Wire mesh shall be placed over the outside vertical face (webbing) of the concrete blocks to prevent stone from being washed through the holes in the blocks. Wire mesh with 1/2-inch openings shall be used.
- c. Stone shall be placed against the wire to the top of the block barrier, as shown on Sheet C1.2.
- d. If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the blocks, cleaned and replaced.

5. Filter Fabric Insert

- a. Follow specifications described by the product manufacturer for effective installation. A detail for the Dandy Bag[®] II is included in the Erosion Control Plan as an example of an acceptable filter.

6. Bale Drop-Inlet Barriers
 - a. Bales should be constructed of wheat straw, oat straw, prairie hay, or brome grass and be free of noxious weeds. They should be bound with twine and anchored with hardwood stakes 2" square by 4 ft. long.
 - b. Excavate a trench around the perimeter of the inlet at least 6" deep by the bale's width. Place bales in the trench and make sure they are butted tightly. Drive two stakes through each bale, 6" to 8" in from the bale ends and at least 18" into the ground. Place the excavated soil around the bales and compact it. Make sure the soil is no more than 3" to 4" deep.

7. Triangular Silt DikeTM (TSD)
 - a. Metal landscape staples, 6" to 8" long, should be used to anchor the TSDs.
 - b. Orient the TSD so that the side facing the drop-inlet is vertical and that the shorter of the two aprons lies beneath the longer one. Excavate trenches 4" deep by 4" wide near the ends of the apron so that the outer 8" of the apron can be buried.
 - c. Lay the outer 8" of the apron in the trench, anchor it with landscape staples on the 18" centers and backfill the trench. Compact the soil and anchor the remainder of the apron with a row of 6" to 8" staples on 18" centers along the seam.
 - d. Where TSDs extend beyond inlet edges, cut new TSDs to fit.

Maintenance

1. Sediment should not be allowed to wash into the storm drain inlet. It should be removed from the inlet protection and disposed of and stabilized so that it will not enter the inlet again.
2. When contributing drainage area has been permanently stabilized, all materials and any sediment should be removed, and either salvaged or disposed of properly.
3. Expected life of a silt fence barrier is 3 months. Maintenance needs and repairs should be accomplished immediately should the inlet protection fail.

Inspection

1. Drop-inlet barriers should be inspected every 7 days and within 24 hours of a rainfall of ½" or more.
2. Where sites have been finally or temporarily stabilized, such inspections may be conducted only once per month.

2.6 Establish Perimeter Controls and Sediment Barriers

Silt Fence:

As noted above, before any grading operations begin, silt fence will be installed adjacent to the areas under construction, just outside the limits of disturbance. Silt fence may also be used for storm drain inlet protection as detailed in Section 2.5 of this report.

Responsible Staff: To Be Determined

Construction Specifications

1. Silt fence material should comply with the AASHTO M288 05 silt-fence design specifications and be placed along contours to avoid concentration of flow.
2. The stakes used to anchor the filter fabric should be made of hardwood. Wooden stakes should be square, at least 4 feet long, and have a minimum diameter of 2 inches.
3. Silt-fence fabric should be attached to the wooden posts with wire, zip ties, staples, or nails.
4. To install, excavate a trench 6" deep by 4" wide. Line all three sides of the trench with fabric and backfill, leaving two to three feet of the silt-fence exposed.
5. Drive fence posts at least two feet into the ground. Place the posts no more than 4 feet apart.
6. The fence should be designed to withstand the runoff from a 10-year peak storm event. Once installed, it should remain in place until all areas upslope have been permanently stabilized by vegetation or other means.

Maintenance

1. Sediment should be removed once it has accumulated to one-third to one-half the original height of the barrier.
2. Filter fabric should be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months).
3. Silt fence should remain in place until disturbed areas have been permanently stabilized.
4. All sediment accumulated at the fence should be removed and properly disposed of before the fence is removed.

Inspection

1. Inspect silt fencing every 7 days and within 24 hours of rainfall of ½" or more. Look for points where water is concentrating, if water is flowing under the barrier, sagging sections, torn or detached sections, and sediment buildup.
2. Where sites have been finally or temporarily stabilized, such inspections may be conducted only once per month.

2.7 Establish Stabilized Construction Exits

Stabilized Construction Exit:

A stabilized construction exit shall be installed at the entrance and exit to the job site before construction begins (the staging and on site construction parking area is in an existing asphalt area). This stabilized exit should be constructed near the 4th Street entrance near the southwest corner of the existing Commissary building. Stabilized exits are used to prevent the off-site transport of sediment by construction vehicles. At the entrance and exits to the site, the VTP shall be at least 25 ft wide or at least the width of the entrance or exist, whichever is greater. The crushed stone for the VTP at the entrance or exit shall be placed over a layer of geotextile. For additional details see the Erosion Control Plan.

Responsible Staff: To Be Determined

Construction Specifications

1. The width should be at least 14 ft but not less than the full width of points where ingress or egress occurs. At sites where traffic volume is high, the entrance should be wide enough for two vehicles to pass safely. Flare the entrance where it meets the existing road to provide a sufficient turning radius.
2. The minimum length should be 50 ft.
3. Total depth of rock should be at least 6 inches. Fractured stone 2 to 8 in. diameter (for the base layer) and crushed stone 2 in. diameter or reclaimed or recycled concrete equivalent (for the top layer).
4. Include geotextile (filter fabric) with the products placed over the entire area to be covered with aggregate. The geotextile should be a woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The geotextile should be inert to commonly encountered chemicals, hydrocarbons, mildew, and rot resistant.
5. Runoff from a stabilized construction entrance should drain to a protected inlet.
6. Clear all vegetation, roots, and all other obstructions in preparation for grading. Prior to placing geotextile (filter fabric), make sure that the entrance is properly graded and compacted.

Maintenance

1. The entrance should be maintained in a condition that will prevent tracking or flow of mud onto 4th Street. This may require periodic top dressing with additional 2 in. stone (as conditions demand) and repair or cleaning of any structures used to trap sediment.
2. All materials spilled, dropped, washed, or tracked from vehicles onto the roadway or into storm drains should be removed immediately. When necessary, vehicle wheels should be cleaned to remove sediment prior to entrance onto 4th Street.

When washing is required, it should be done on an area stabilized with aggregate that drains into an approved protected inlet.

3. Trapped sediment should be removed from the site or stabilized on site and prevented from entering storm drains, ditches, or waterways. Disturbed soil areas resulting from removal should be permanently stabilized.
4. The stabilized construction entrance may be removed after final site stabilization is achieved or after the temporary BMPs are no longer needed.

Inspection

1. Inspect and verify that activity-based BMPs are in place prior to the commencement of associated activities.
2. While activities associated with the BMPs are under way, and at least twice every seven calendar days, at least 72 hours apart.
3. Inspect local roads adjacent to the site daily. Sweep or vacuum to remove visible accumulated sediment.

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Good Housekeeping BMPS

1. *Material Handling and Waste Management:*

Waste Materials:

All waste materials will be collected and disposed of into metal waste dumpsters in the materials storage area. Dumpsters will have a secure tight lid, be placed away from storm water drains and structures, and will meet all federal, state, county, and local regulations. Only trash and construction debris will be placed in the dumpsters. Construction materials will not be buried on site. All personnel will be instructed, during tailgate training sessions, regarding the correct disposal of trash and construction debris. Notices that state these practices will be posted in the office trailer and the individual who manages day-to-day site operations will be responsible for seeing that these practices are followed.

Installation Schedule: Trash dumpsters will be installed when the materials storage area has been established.

Maintenance and Inspection: The dumpsters will be inspected weekly and immediately after storm events. The dumpster will be emptied weekly or more frequently if needed, and taken to the appropriate landfill.

Hazardous Waste Materials:

All hazardous waste materials including oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed shipping containers, within the hazardous materials storage area. Hazardous waste materials will be stored in appropriate and clearly marked containers and segregated from other non-waste materials. Secondary containment will be provided for all waste materials in the hazardous materials storage area and will consist of commercially available spill pallets. Additionally, all hazardous waste materials will be disposed of in accordance with federal, state, county, and local regulations. Hazardous waste materials will not be disposed of into the on-site dumpsters. All personnel will be instructed, during tailgate training sessions, regarding proper procedures for hazardous waste disposal. Notices that state these procedures will be posted in the office trailer and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.

Installation Schedule: Shipping containers used to store hazardous waste materials will be installed once the site materials storage area has been designated.

Maintenance and Inspection: The hazardous waste materials area will be inspected weekly and after storm events. The storage area will be kept clean, well organized and equipped with ample cleanup supplies as appropriate for the materials being stored.

Material safety datasheets, material inventory, and emergency contact numbers will be maintained in the office trailer.

Responsible Staff: To Be Determined

Sanitary Waste:

Two portable toilets, located in the staging area, will be provided at the site throughout the construction phase. The toilets will be anchored as approved by the stormwater inspector and located away from concentrated drainage flow paths and will have collection pans underneath as secondary containment.

Installation schedule: The portable toilets will be set up at the site when the staging area is complete.

Maintenance and Inspection: Sanitary waste will be collected a minimum of three times a week and shall be inspected weekly for evidence of leaking holding tanks.

Responsible staff: To Be Determined

Recycling:

Wood pallets, cardboard boxes, and other recyclable construction scraps will be disposed of in a designated dumpster for recycling. The dumpster will have a secure watertight lid, be placed away from stormwater conveyances and drains, and meet all local and state solid-waste management regulations. Only solid recyclable construction scraps from the site will be deposited in the dumpster. All personnel will be instructed, during tailgate training sessions, regarding the correct procedure for disposal of recyclable construction scraps. Notices that state these procedures will be posted in the office trailer, and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.

Installation Schedule: Designated recycling dumpsters will be installed once the combined staging area has been established.

Maintenance and Inspection: The recycling dumpster will be inspected weekly. The recycling dumpster will be emptied weekly and taken to an approved recycling center by the contractor. If recyclable construction wastes are exceeding the dumpster's capacity, the dumpsters will be emptied more frequently.

Responsible Staff: To Be Determined

2. *Establish Proper Building Material Staging Areas*

Materials Storage Area:

Construction equipment and maintenance materials will be stored at the combined staging area and materials storage areas. This area will be located in the southeast section of the existing parking lot. A watertight shipping container will be used to store hand tools, small parts, and other construction materials. Non-hazardous building materials such as packaging material (wood, plastic, and glass), and construction scrap material (brick, wood, steel, metal scraps, and pipe cuttings) will be stored in a separate covered storage facility adjacent to the shipping container. All hazardous-waste materials such as oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed containers under cover within the hazardous materials. Very large items, such as framing materials and stockpiled lumber, will be stored in the open in the materials storage area. Such materials will be elevated on wood blocks to minimize contact with runoff.

Installation Schedule: The materials storage area will be installed immediately and before any grading occurs or before any infrastructure is constructed at the site.

Maintenance and Inspection: The storage area will be inspected weekly. The storage area will be kept clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners will be repaired or replaced as needed to maintain proper function.

Responsible Staff: To Be Determined

3. *Designate Washout Areas*

Concrete Washout

A designated temporary, above-grade concrete washout area will be constructed as detailed on the site map. The temporary concrete washout area will be constructed as shown on the Erosion Control Plan, with a recommended minimum length and minimum width of 10 feet, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. The washout area will be lined with plastic sheeting at least 10 mils thick and free of holes or tears. Signs will be posted marking the location of the washout area to ensure that concrete equipment operators use the proper facility.

Concrete pours will not be conducted during or before an anticipated storm event. Concrete mixer trucks and chutes will be washed in the designated area or concrete wastes will be properly disposed of off-site. When the temporary washout area is no longer needed for the construction project, the hardened concrete and materials used to construct the area will be removed and disposed of according to the maintenance section below, and the area will be stabilized. For design specifications, see appendix.

Installation Schedule: The washout area will be constructed before concrete pours occur at the site.

Maintenance and Inspection: The washout areas will be inspected weekly and each day of use to ensure that all concrete washing is being discharged into the washout area, no leaks or tears are present, and to identify when concrete wastes need to be removed. The washout areas will be cleaned out once the area is filled to 75 percent of the holding capacity. Once the area's holding capacity has been reached, the concrete wastes will be allowed to harden; the concrete will be broken up, removed, and taken to the appropriate landfill for disposal. The plastic sheeting will be replaced if tears occur during removal of concrete wastes from the washout area.

Responsible Staff: To Be Determined

4. *Establish Proper Equipment/Vehicle Fueling and Maintenance Practices*

Vehicle/Equipment Fueling and Maintenance:

Several types of vehicles and equipment will be used on-site throughout the project, including graders, scrapers, excavators, loaders, paving equipments, rollers, trucks and trailers, backhoes, and forklifts. All major equipment/vehicle fueling and maintenance will be performed off-site. When vehicle fueling must occur on-site, the fueling activity will occur in the staging area. Only minor equipment maintenance will occur on-site. All equipment fluids generated from maintenance activities will be disposed of into designated drums stored on spill pallets in accordance with Part 3.1. Absorbent, spill-cleanup materials and spill kits will be available at the combined staging and materials storage area. Drip pans will be placed under all equipment receiving maintenance and vehicles and equipment parked overnight.

Installation Schedule: BMPs implemented for equipment and vehicle maintenance and fueling activities will begin at the start of the project.

Maintenance and Inspection: Inspect equipment, fuel tank, and vehicle storage areas weekly. Vehicles and equipment will be inspected on each day of use. Leaks will be repaired immediately, or the problem vehicle(s) or equipment will be removed from the project site. Keep ample supply of spill-cleanup materials on-site and immediately clean up spills and dispose of materials properly.

Responsible Staff: To Be Determined

5. *Non-stormwater Discharges*

All equipment and vehicle washing will be performed off-site. (See section 3.2 below for additional information related to non-storm water discharges)

6. *Spill Prevention and Control Plan*

Spill Prevention and Control Procedures:

BMP Description:

1. **Employee Training:** All employees will be trained via biweekly tailgate sessions, as detailed in Section 6, Part 6.3.
2. **Vehicle Maintenance:** Vehicles and equipment will be maintained off-site. All vehicles and equipment including subcontractor vehicles will be checked for leaking oil and fluids. Vehicles leaking fluid will not be allowed on-site. Drip pans will be placed under all vehicles and equipment that are parked overnight.
3. **Hazardous Material Storage:** Hazardous materials will be stored in accordance with Section 3, Part 1 and federal and municipal regulations.
4. **Spill Kits:** Spill kits will be stored within the material storage area and concrete washout areas.
5. **Spills:** All spills will be cleaned up immediately upon discovery. Spent absorbent materials and rags will be hauled off-site immediately after the spill is cleaned up for disposal at the appropriate landfill. Spills large enough to discharge to surface water will be reported to the National Response Center at 1-800-424-8802.
6. **Material safety data sheets, a material inventory, and emergency contact information** will be maintained at the on-site project trailer.

Installation Schedule: The spill prevention and control procedures will be implemented once construction begins on-site.

Maintenance and Inspection: All personnel will be instructed, during tailgate training sessions, regarding the correct procedures for spill prevention and control. Notices that state these practices will be posted in the office trailer, and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.

Responsible Staff: To Be Determined

3.2 Allowable Non-Stormwater Discharge Management

Items include: discharges from fire fighting activities, fire hydrant flushing, landscape watering, water used to control dust, wash downs with potable water that does not include detergents. Dewatering of foundation and utility trenches is not anticipated. All erosion control practices shall be followed by the contractor in connection with these activities.

Irrigation waters will be sprayed onto landscape areas only. The sprinklers will have low flow rates and increased watering time. The irrigation area will be inspected regularly for excess watering and if needed, adjustments will be made.

Any changes in construction activities that produce other allowable non-stormwater discharges will be identified, and the SWPPP will be amended and the appropriate erosion and sediment control will be implemented.

Responsible staff: To Be Determined

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

4.1 *Bioretention Area*

Three bioretention cells totaling approximately 3,100 square feet will be constructed in the west parking median in order to allow infiltration of stormwater runoff and facilitate pollutant removal. The bioretention cell will reduce the volume and peak discharge of stormwater flowing out of the site and has a total water capture volume (including the ponding depth above the surface and the voids in the permeable gravel layer underground) of approximately 5,400 cubic feet.

The bioretention swales require landscaping maintenance, including measures to ensure that the area is functioning properly, as well as maintenance of the landscaping on the practice. Bioretention areas typically need intense maintenance initially to ensure vegetation is properly established, but require less over time. Plants should be watered daily for two weeks after project completion. Typical maintenance of bioretention areas includes remulching void areas, treating diseased trees and shrubs, and mowing turf areas as needed. The soil should be inspected monthly for eroded soils requiring repair and litter/debris removal. Dead and diseased vegetation should be removed and replaced twice a year, and mulch should be added annually. Curb cut-outs allowing flow into the bioretention cell should be kept clear of debris. The catch basin, which receives water overflowing the bioretention cell, should be maintained weekly to ensure it does not get clogged or overgrown with vegetation.

SECTION 5: INSPECTIONS and MAINTENANCE

5.1 Inspections

1. *Inspection Personnel:*
 - To Be Determined
2. *Inspection Schedule and Procedures:*
 - See Sections 2 and 3.
 - See Appendix E for a sample Inspection Report
 -

5.2 Maintenance of Controls

Maintenance Procedures: See Sections 2 and 3.

5.3 Corrective Action Log

Corrective Action Log: See Appendix F for a sample Corrective Action Log

SECTION 6: Recordkeeping and Training

6.1 Recordkeeping

The following is a list of records that should be kept at the project site available for inspectors to review:

- Dates of grading, construction activity (and stabilization – see Section 7).
- Copy of the construction general permit (see Appendix C).
- The signed and certified NOI form or permit application form (see Appendix D).
- Inspection reports (see Appendix E).
- Records relating to endangered species and historic preservation (see Appendix M).

Dates when major grading activities occur:

- See construction sequence in Section 1 of this report.

Dates when construction activities temporarily or permanently cease on a portion of the site

- See construction sequence in Section 1 of this report.

See Appendix I for a sample Grading and Stabilization Activities Log

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP

- See Appendix G for a SWPPP Amendment Log

6.3 Training

- General stormwater and BMP awareness training for staff and subcontractors is described in Section 2 and 3 of this report.
- Detailed training for staff and subcontractors with specific stormwater responsibilities is also contained in Section 2 and 3 of this report. Additional information can be found in the National Menu of Stormwater Best Management Practices by the U.S. Environmental Protection Agency's National Pollutant Discharge Elimination System:

www.epa.gov/npdes/stormwater/menuofbmps

Individual(s) Responsible for Training:

- To Be Determined

SECTION 7: FINAL STABILIZATION

Permanent seeding should be applied immediately after the final design grades are achieved at the site but no later than 14 days after construction activities have permanently ceased. After the entire site is stabilized, any sediment that has accumulated will be removed and hauled off site to a licensed landfill facility. Construction debris, trash, and temporary BMP's will also be removed and any areas disturbed during removal will be seeded immediately.

Seedbed Preparation:

1. Topsoil will be spread over final graded areas at a minimum depth of four inches.
2. The seedbed will be free of rocks, woody debris and other objectionable material.
3. Fertilizer will be applied to the seedbed as needed. Fertilizers will be commercial type of uniform composition, free-flowing and conforming to the applicable State and Federal laws. Choose native species that are adapted to local weather and soil conditions wherever possible to reduce water and fertilizer inputs and lower maintenance overall.
4. Topsoil will be loosened by raking, tilling or other suitable methods.

Final stabilization should be installed on portions of the site where construction activities have permanently ceased will be stabilized, as soon as possible but no later than 14 days after construction ceases.

All seeded areas will be inspected weekly during construction activities for failure until a dense cover of vegetation has been established. If failure is noticed on the seeded area, the area will be seeded, fertilized and mulched immediately. After construction is complete, permanent stabilization measures will be monitored until final stabilization is reached.

Responsible Staff: To Be Determined (during construction); Fort Leavenworth personnel (after construction).

A Notice of Termination (NOT) will be submitted after all cleanup at the site is complete and after all seeding, fertilizing and mulching operations are complete and all plants are installed.

SECTION 8: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

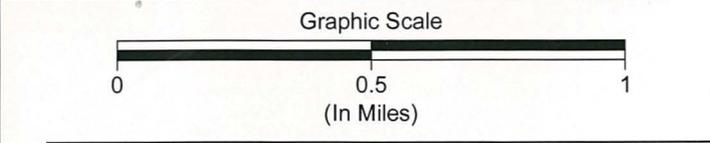
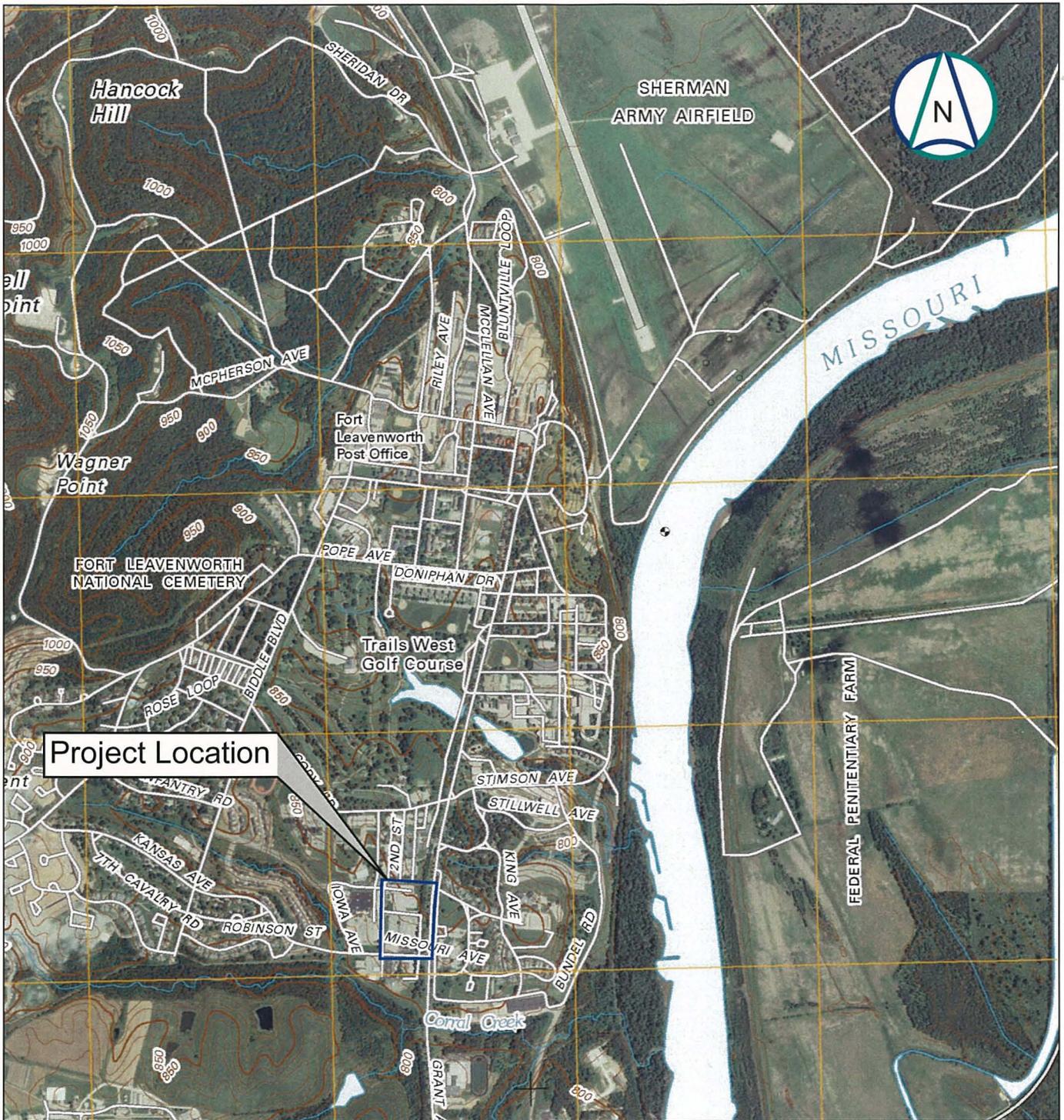
Signature: _____ Date: _____

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

- Appendix A - General Location Map
- Appendix B - Site Maps (Erosion Control Plan & Details, Stormwater Management Concept Plan)
- Appendix C - Copy of Construction General Permit
- Appendix D - Copy of Notice of Intent and acknowledgement letter from EPA/State
- Appendix E - Inspection Reports
- Appendix F - Corrective Action Log
- Appendix G - Log of Changes and Updates to SWPPP
- Appendix H - Subcontractor Certifications/Agreements
- Appendix I - Grading and Stabilization Activities Log
- Appendix J - SWPPP Training Log
- Appendix K - Delegation of Authority Form
- Appendix L - Endangered Species and Historic Preservation Documentation
- Appendix M - Inspector's Qualifications
- Appendix N - Contractor Certification Form
- Appendix O - Individual Lot Certification Form
- Appendix P - Notice of Transfer of Ownership Form
- Appendix Q - Notice of Termination Form

APPENDIX A: GENERAL LOCATION MAP



LOCATION MAP

Add / Alter Commissary Facility
Fort Leavenworth, KS

USGS QUADRANGLE:
LEAVENWORTH, KS-MO
DATED 2009

APPENDIX B: SITE MAPS

APPENDIX C: COPY OF CONSTRUCTION GENERAL PERMIT

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

BUREAU OF WATER



KANSAS WATER POLLUTION CONTROL

AND

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

GENERAL PERMIT

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Appendices

Appendix 1 Definitions & Acronyms

Appendix 2 Forms

- Notice of Intent Form (NOI) for Stormwater Runoff from Construction Activities
- Notice of Intent Instructions for Stormwater Runoff from Construction Activities
- Contractor's Certification Form
- Individual Lot Certification (ILC)
- Notice of Termination form (NOT)
- Notice of Transfer of Ownership form (NOTO)

Please note: *The Department has provided several options for obtaining copies of these forms, but at this time the Department cannot accept electronic submittals (e-mail or fax) of completed forms. Original copies of all forms must be received before permit/exclusion requests can be processed.*

Upon request, KDHE will provide copies of State published information. EPA and/or NTIS contact information will be provided in response to requests for Federal Publications.

Kansas Water Pollution Control General Permit
and Authorization to Discharge

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

Under the National Pollutant Discharge Elimination System

Pursuant to the Provisions of Kansas Statutes Annotated 65-164 and 65-165; the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.; the "Clean Water Act"); and the Kansas Surface Water Quality Standards (K.A.R. 28-16-28 et seq.); this general NPDES permit provides the requirements and conditions under which the permittee is authorized to discharge stormwater runoff from construction activities.

Coverage is provided and construction Stormwater discharge is authorized when the Kansas Department of Health and Environment (KDHE) issues an Authorization to discharge stormwater runoff from construction activities until the Authorization is terminated. A signed and dated copy of the Authorization will be provided to the permittee.

Upon Authorization, the Permittee is allowed to discharge stormwater runoff from construction activities described in the Notice of Intent for Stormwater Runoff from Construction Activities and supporting documents in accordance with the requirements and conditions of this General NPDES Permit and the Stormwater Pollution Prevention Plan developed for the identified construction activities.

This general NPDES permit is effective January 2, 2007 through December 31, 2011.

(signed by Secretary Roderick L. Bremby)
Secretary, Kansas Department of Health and Environment

January 2, 2007
Date

AUTHORIZED ACTIVITY DESCRIPTION:

Construction Activities

Construction activities consist of any activity (e.g. clearing, grubbing, excavating, and grading) which disturb a cumulative total of one (1.0) or more acres or that are part of a larger common plan of development or sale which will disturb a cumulative total of one or more acres.

Construction activities which disturb less than one (1.0) acre are considered to be construction activities needing permit coverage when the site is part of a larger common plan of development or sale which will disturb a cumulative total area equal or greater than one (1.0) acre. Construction activities do not include routine maintenance (see endnote 7, page 13).

Upon issuance of this General Permit, owners or operators who intend to engage in construction activities as indicated above, shall obtain authorization to discharge stormwater runoff under this general NPDES permit prior to commencing construction at the project site. To obtain authorization to discharge stormwater runoff, the owner or operator of a construction site shall submit a Notice of Intent (NOI) for the discharge of stormwater runoff from construction activities at least 60 days prior to removing vegetation or disturbing soil at the site. The NOI form is a request for coverage under the requirements and conditions of this general permit. To obtain authorization, the NOI form and supporting documents shall be submitted in accordance with Part 4 of this general NPDES permit. Upon acceptance of the NOI and supporting documents, KDHE will indicate the authorization for coverage under the general permit on the first page of the NOI form, assign authorization numbers, and indicate the KDHE issuance of the Authorization with the Department Secretary's signature. The owner or operator is then authorized to discharge stormwater runoff from construction activities under the provisions of this general NPDES permit and may commence construction at the construction site described in the NOI and supporting documents in accordance with the terms and conditions expressed in this general NPDES permit and in conformance with the stormwater pollution prevention plan developed for the site.

Rather than submitting an NOI, owners or operators who intend to engage in construction activity that will disturb between one (1) and five (5) acres may request a rainfall erosivity waiver. To receive a waiver, the owner or operator of a construction site shall submit a rainfall erosivity waiver application form at least 60 days prior to removing vegetation or disturbing soil at the site. To be authorized, the small construction activity must have a low predicted rainfall potential that corresponds to a rainfall erosivity factor of less than 5 as calculated by the Revised Universal Soil Loss Equation [RUSLE]. The rainfall erosivity waiver application form is available on the [Kansas Stormwater Website](#) (see endnote 1, page 13). Copies can also be obtained by writing or e-mailing KDHE at the addresses in Part 9.2. Prior to commencing construction, the owner or operator must receive a copy of the authorized rainfall erosivity waiver from KDHE.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre), and which are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this general NPDES permit when KDHE notifies the owner or operator that the water quality impact from discharge of stormwater runoff from construction activity warrants consideration because the proposed construction activities constitute a significant pollution potential.

Any owner or operator who is subject to NPDES permit requirements for stormwater runoff from construction activities and who discharges stormwater runoff from construction activities prior to receiving authorization from KDHE is in violation of both State and Federal laws.

PREFACE

The purpose of this general permit is to implement the Federal Water Pollution Control statutes and regulations; permit discharges of stormwater runoff from construction sites subject to National Pollutant Discharge Elimination System (NPDES) permit requirements; and to protect waters of the State from sediment and other contaminants.

The issuance of an authorization to discharge under this general NPDES permit allows a project owner or operator, after implementation of the project site stormwater pollution protection plan, to commence construction site soil disturbing activities that will produce or potentially produce a discharge of contaminated stormwater into waters of the State of Kansas.

This general permit does not authorize the placement of fill materials in flood plains, the obstruction of stream flow, directing stormwater runoff across private property, increasing stormwater runoff flow, changing the channel of a defined drainage course, etc. This general permit is intended to address only the quality of the stormwater runoff and to minimize off-site migration of sediments and contaminants.

KDHE administers a number of regulatory programs that may preclude the initiation of construction activities until such time as a specific permit is issued or authorization is granted. This permit Authorization solely addresses NPDES stormwater discharge requirements for construction activities. It is the permittees obligation to ensure compliance with all KDHE, State, Federal and local regulatory and permit requirements.

Owners or operators seeking coverage under this general NPDES permit which have the potential to impact threatened or endangered species or historical sites can obtain information regarding regulatory requirements or special conditions which may be applicable to the activities covered by this permit from the Kansas Department of Wildlife and Parks or the Kansas State Historical Society respectively (See NOI instructions for contact information).

Other appropriate agencies should be contacted to determine the need for additional permits, authorizations, or requirements, if any. In particular the applicant should contact the **local separate storm sewer agency (see endnote 2, page 13)**. Other agencies the applicant should contact include the United States Army Corps of Engineers; Kansas Department of Agriculture, Division of Water Resources; and any other local governments or agencies that are not listed herein that may have jurisdiction.

Authorization to Discharge under this general permit does not constitute approval of the project under the provisions of the Environmental Coordination Act,

K.S.A. 82a-326(a)(4) and (b) and does not relieve the permittee of the responsibility to comply with the requirements of other Agencies prior to commencement of construction activities.

Part 1. WHO MUST OBTAIN AUTHORIZATION TO DISCHARGE

Owners or operators of construction activities which may disturb one or more acres or are part of a larger common plan of development or sale which may disturb a cumulative total of one or more acres must obtain authorization to discharge stormwater runoff from construction activities.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre), and which are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this general NPDES permit when KDHE believes the water quality impact warrants consideration or KDHE determines the construction activities constitute a significant pollution potential.

KDHE reserves the right to revoke coverage under this general permit to applicants for stormwater runoff from construction or earth disturbing activities where annual payment for continuing coverage has not been received or reasonable application of best management practices have not been implemented, after requests by KDHE staff.

Municipalities that were formerly exempt from the general NPDES permit requirements for discharging stormwater runoff must have authorization to discharge stormwater runoff from construction activities under this general NPDES permit.

Part 2. WHAT THIS PERMIT COVERS

This general permit authorizes the discharge of stormwater runoff from construction activities from the date of Authorization of the stormwater discharge until the site is stabilized and the construction stormwater discharge Notice of Termination (NOT) is received by KDHE or the permit is revoked.

This general permit also authorizes the following non-stormwater discharges from construction sites during the life of the project:

1. flushing water hydrants and potable water lines,

2. water used for rinsing streets or structures that does not contain cleansers, detergents, solvents or additives;
3. irrigation to establish vegetation; and
4. discharges of uncontaminated groundwater.

Part 3. WHAT THIS PERMIT OR THE RAINFALL EROSION WAIVER DOES NOT COVER

This general NPDES permit does **not** authorize:

1. a discharge of stormwater runoff from construction activities which violates the provisions of this general NPDES permit;
2. construction activities on sites within Kansas which are located on Indian Country lands, **(see endnote 3, page 13)**;
3. construction activities which may discharge stormwater runoff one-half stream mile or less from a Critical Water Quality Management Area; an Exceptional State Water; an Outstanding National Resource Water; or a Special Aquatic Life Use Water unless KDHE specifically grants coverage by this general permit **(see endnote 4, page 13)**;
4. construction activities that may discharge stormwater runoff that violates the Kansas Surface Water Quality Standards;
5. construction activities that may discharge stormwater runoff that violates the applicable requirements of a local stormwater pollution prevention program;
6. construction activities that may adversely affect threatened or endangered species as listed in K.A.R. 115-15-1 et seq. unless the KDWP has been specifically consulted with;
7. construction activities that may affect any identified historical or archeological sites listed or eligible for listing on the National Register of Historic Places unless the KSHS has been specifically consulted with; and
8. projects that are exempt under the Oil & Gas Exemption (see definition). However, if Authorization under the general permit is requested, a permit will be issued and water quality violations will be enforced.

This general NPDES permit does not relieve the permit holder of the obligation to obtain other approvals, permits,

licenses, or documents of sanction that may be required by other federal, state, or local government agencies.

This general permit also does not authorize any other discharge of sewage, pollutants or wastewater to waters of the State including for example:

1. hazardous substances or oil from an on-site spill or improper handling and disposal practices;
2. wash and/or rinse waters from concrete mixing equipment including ready mix concrete trucks;
3. wastewater generated from wet air pollution control equipment for asphalt plants, or the containment of scrubber water in lined ponds; or
4. contaminated groundwater.

KDHE reserves the right to deny coverage under this general permit to applicants for stormwater runoff from construction or earth disturbing activities at sites which have contaminated soils which will be disturbed by the construction activity.

3.1 Individual Permits Required due to Denial or Non-Compliance

If the NOI for coverage under this general NPDES permit is denied by KDHE, then the applicant is not eligible for coverage under this general permit and shall apply for an individual NPDES permit.

The permittee shall apply for an individual NPDES permit at least 180 days prior to commencing construction. Construction activities shall not commence until the individual NPDES permit is issued.

Part 4. HOW TO APPLY

The owner or operator of a construction site needing coverage under this general permit shall submit a complete request for Authorization to discharge stormwater runoff from construction activities and receive Authorization from KDHE prior to removing vegetation or disturbing soil at the site. To receive authorization, a complete request shall be submitted in accordance with this part of the general NPDES permit.

A complete request for Authorization to discharge stormwater runoff from construction activities under the general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- An NOI form (construction stormwater) with an original authorized signature;

- A check for the first year of the annual permit fee made payable to "KDHE". Per K.A.R. 28-16-56 et seq., as amended, the current annual permit fee for this general permit is \$60;
- An area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary;
- A detailed site plan showing the existing contours, proposed contours, erosion and sediment control features, locations where stormwater runoff leaves the construction site;
- A narrative summary of the additional erosion and sediment control and other best management practices that will be utilized to prevent or reduce contamination of stormwater runoff from the construction activities;
- Design calculations for any proposed sedimentation basin, if applicable; and
- Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.

Submittal of a Notice of Intent (NOI) to discharge Stormwater Runoff from Construction Activities and all supporting documentation above does not provide automatic coverage under the general permit. Coverage under this general permit begins when KDHE authorizes the discharge of stormwater runoff from construction activities identified in the NOI and supporting documentation. The NOI and supporting documentation shall be submitted at least 60 days prior to start of construction activities.

Requests for waiving any of the applicable requirements of this general NPDES permit will not be considered.

An NOI form can be downloaded from the [KDHE Stormwater Website](#) (see endnote 1, page 13) or obtained from KDHE at the address given in Part 9 of this general NPDES permit.

The permittee needs to submit a copy of the Authorization indicated on the NOI and all supporting documentation to the operator of the local Municipal Separate Storm Sewer System (MS4) and obtain any permits or approvals that may be required under the local Stormwater Management Program. A list of NPDES permitted MS4 operators which are required to develop a Stormwater Management Program is available on the [KDHE Stormwater Website](#) (endnote 2, page 13) or upon written request to KDHE Bureau of Water Municipal Programs Section.

Upon Authorization of the stormwater runoff from construction activities for the site indicated on the NOI and supporting documents, the owner or operator and, if

appropriate, the company, corporation, partnership, or government entity they represent becomes the permittee under this general permit.

Part 5. STARTING CONSTRUCTION ACTIVITY

The owner or operator who has applied for coverage under this general NPDES permit is not authorized to initiate construction activities and therefore discharge stormwater runoff from construction activities described in the NOI until receiving Authorization from KDHE for the discharge.

When the owner or operator receives the Authorization to discharge stormwater from construction activities, the owner or operator may commence construction activities at the site described in the NOI and supporting documentation under the provisions of this general NPDES permit and in accordance with the construction site stormwater pollution prevention plan.

A copy of the NOI indicating the Authorization and the project specific SWPPP including erosion and sediment control plan for the specific project shall be readily available at the construction site.

Part 6. CONTINUING COVERAGE - ANNUAL PERMIT FEE AND RENEWAL REQUIREMENTS

The permit holder shall pay an annual permit fee as specified in K.A.R. 28-16-56 et seq. as amended as long as stormwater discharges from the facility continue to meet the definition of stormwater discharges from construction activities. Make the check payable to "KDHE".

An annual bill will be sent to the permittee listed in the NOI requesting the annual permit fee until such time as the permit holder submits a Notice of Termination (NOT) or, upon receipt by KDHE, the current permittee indicated on a notice of transfer of ownership.

Payment of the annual permit fee is required to maintain continued coverage under this permit until such time as a request for a transfer of ownership or until the site is stabilized and a Notice of Termination (NOT) is received by KDHE or the permit is revoked.

This general permit will expire **December 31, 2011**. Should KDHE fail to issue a new general permit with an effective date on or before the expiration date of this permit, the conditions of this general NPDES permit continue in force until the effective date of a new general NPDES permit.

A permittee who has a valid authorization to discharge stormwater runoff from construction activities under the conditions of this general NPDES permit will continue to be covered until the effective date of the new general permit

and shall comply with the conditions of this general permit until the effective date of the successor general permit. Upon the effective date of the successor general NPDES permit, the permittee shall comply with the terms and conditions of the successor general permit or obtain coverage for construction stormwater discharges under alternative provisions of this permit.

A permittee who is authorized by this general NPDES permit does not have to submit a new NOI upon expiration of this general permit unless the information in the current NOI is inaccurate, needs to be updated, or is requested by KDHE.

If the permittee wishes to continue construction activities regulated by this general NPDES permit after the expiration date of this permit, the permittee must continue to pay the annual fee, and continue to comply with the terms and conditions of this general permit until the effective date of the successor general NPDES permit.

On and after the effective date of the successor general NPDES permit, the permit holder must comply with the terms and conditions of the successor permit; and continue paying the annual permit fee; or request an individual NPDES permit. The facility will continue coverage under this general stormwater permit and comply with the provisions of this general permit until the individual NPDES permit is issued.

The permittee is not required to submit a new NOI for continuing coverage under the successor general NPDES permit unless modifications, changes or discoveries are made which may affect coverage under the successor general NPDES permit or the information in the current NOI is inaccurate, needs to be updated, or KDHE requests the submission of a new NOI.

Part 7. STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS AND GUIDELINES

Before starting construction the permittee shall develop a Stormwater Pollution Prevention plan (SWP2 plan) which is specific to the construction activities which are to be employed at the site authorized by this general permit to discharge stormwater runoff. The permittee shall fully implement the provisions of the SWP2 plan required under this part as a condition of this general permit throughout the term of the construction project.

The purpose of the SWP2 plan is to ensure the design, implementation, management, and maintenance of "Best Management Practices" (BMPs) in order to minimize erosion; reduce the amount of sediment and other pollutants in stormwater runoff from construction activities; comply with the Kansas Surface Water Quality Standards; and ensure compliance with the terms and conditions of

this general permit.

The permittee shall select, install, utilize, operate, and maintain the BMPs in accordance with the concepts and methods described in Environmental Protection Agency (EPA) document number EPA 832-R-92-005, entitled ***Stormwater Management for Construction Activities - Developing Pollution Prevention Plans and Best Management Practices***, published in September, 1992 (**see endnote 5, page 13**). The permittee is not limited to the BMPs provided in the EPA guidance manual. Other pollution or erosion controls must utilize practices with similar effectiveness, and the permittee should develop BMPs with the goal of site specific effectiveness in mind.

7.1 General SWP2 Plan Requirements

Stormwater Pollution Prevention (SWP2) plans shall be developed and prepared under the supervision of an engineer, geologist, architect, landscape architect or a Certified Professional in Erosion and Sediment Control (**see endnote 6, page 13**). The permittee shall amend and update the SWP2 plan as appropriate during the term of the construction activity. Amendments to SWP2 plans shall also be prepared under the supervision of an engineer, geologist, architect, landscape architect or a Certified Professional in Erosion and Sediment Control. Please note: It is unlawful for a person to perform any assignment involving a specific technical profession unless licensed or specifically exempted by the Kansas Board of Technical Professions, and is qualified by education and expertise in that profession to perform such work.

The permittee shall ensure the BMPs are properly installed and maintained at the locations and relative timeframes specified in the SWP2 plan. Margin or border BMPs, such as vegetation strips, to control stormwater runoff where it leaves the site boundary, shall be installed or marked for preservation before general site clearing is started. Stormwater runoff from disturbed areas which leave the site shall pass through an appropriate impediment to sediment movement, such as a sedimentation basin, sediment trap, silt fence, etc., prior to leaving the construction site.

The permittee shall amend the SWP2 plan, at a minimum, whenever:

- there is a change in design, operation, or maintenance of BMPs;
- there is a change in the design of the construction project which could significantly affect the quality of the stormwater runoff or the use of designated BMPs;
- the permittee's inspections indicate deficiencies in

the SWP2 plan or any BMP;

- KDHE notifies the permittee of deficiencies in the SWP2 plan;
- the SWP2 plan is determined to be ineffective in significantly minimizing or controlling erosion and sedimentation (e.g. there is evidence, such as excessive site erosion, excessive sediment leaving the site, or excessive sediment deposits in streams or lakes); or
- KDHE determines violations of Surface Water Quality Standards may occur or have occurred, or
- KDHE determines the activities at the site constitute a significant pollution potential.

The permittee shall provide a copy of the SWP2 plan to KDHE or EPA upon request.

The permittee shall notify each contractor or entity (including utility crews, and city employees or their agents) who will perform work at the site of the existence of the SWP2 plan and what action or precautions shall be taken while on-site to minimize the potential for erosion and the potential for damaging any BMP. The notification shall be in writing. The permittee is ultimately responsible for ensuring compliance with this permit.

The permittee shall provide contractors who are responsible for installation, operation, or maintenance of any BMP a copy of the SWP2 plan. The permittee shall have each such contractor sign a KDHE Contractor Certification form. The permittee shall provide a copy of this form to KDHE; or EPA upon request.

The permittee, an authorized representative, and/or the contractor(s) responsible for installation, operation, and maintenance of the BMPs shall keep a current copy of the SWP2 plan on the project site.

7.2 Contents of SWP2 Plan

7.2.1 Site Description - The permittee's SWP2 plan shall include all of the information provided in the NOI. The SWP2 plan shall expand upon the NOI information in order to make the SWP2 plan a working document which contractors and site construction workers can use to guide the installation and maintenance of BMPs.

7.2.2 Description of Best Management Practices - The permittee's SWP2 plan shall include a description of the BMPs they will use at the site. The SWP2 plan shall provide the following general information for each BMP

which will be used one or more times at the site:

- a physical description of the BMP;
- the site and physical conditions which must be met for effective use of the BMP;
- the BMP installation / construction procedures, including typical drawings; and
- operation and maintenance procedures for the BMP.

The SWP2 plan shall provide the following information for each specific instance where a BMP is to be installed:

- whether the BMP is temporary or permanent;
- where, in relation to other site features, the BMP is to be located;
- when, in relation to each phase of construction, the BMP will be installed; and
- what site conditions must be met before removal of the BMP, if the BMP is not a permanent BMP.

7.2.3 Temporary and Permanent Non-Structural BMPs -

Examples of non-structural BMPs which the permittee should consider specifying in the SWP2 plan include: temporary seeding, final seeding, mulching, geotextiles, sod stabilization, protection of existing vegetation for use as buffer strips (especially along drainage courses), protection of trees, preserving existing stream channels as overflow areas when channel shortening is allowed, soil stabilizing emulsions and tackifiers, mulch tackifiers, preservation of mature vegetation, stabilized site entrances/exits, and other appropriate BMPs.

The permittee's SWP2 plan shall require existing vegetation to be preserved where practical, and the time period for soil areas to be without vegetative cover is to be minimized to the extent practical.

Clearing and grubbing within 50 feet of a defined drainage course should be avoided.

Where changes to defined drainage courses are to occur as part of the project, clearing and grubbing within 50 feet of the defined drainage course should be delayed until all materials and equipment necessary to complete the drainage change are on site.

Changes to defined drainage courses shall be completed as quickly as possible once the work has been initiated. The area impacted by the construction of the drainage course change is to be re-vegetated or stabilized to minimize erosion as soon as possible.

Where soil disturbing activities are scheduled to be stopped in an area, the disturbed areas shall be protected from erosion by maintaining the erosion control BMPs, or stabilizing the area with mulch or other similarly effective soil stabilizing BMPs.

7.2.4 Temporary and Permanent Structural BMPs -

Examples of structural BMPs which the permittee should consider specifying in the SWP2 plan include: diverting flows from undisturbed areas away from disturbed areas, silt (filter fabric or straw bale) fences, earthen diversion dikes, drainage swales, sediment traps, rock check dams, subsurface drains (to gather or transport water for surface discharge elsewhere), pipe slope drains (to carry concentrated flow down a slope face), level spreaders (to distribute concentrated flow into sheet flow), storm drain inlet protection and outlet protection, reinforced soil retaining systems, gabions, temporary or permanent sediment basins, and other appropriate BMPs.

7.2.5 Sedimentation Basins - The permittee's SWP2 plan shall require a sedimentation basin, where feasible, for each drainage area with 10 or more acres disturbed at one time.

The sediment basin needs to be designed and maintained to provide at least 3,600 cubic feet of storage per acre drained. Where use of a sediment basin of this size is impractical, the SWP2 plan shall evaluate and specify other similarly effective BMPs to be employed to minimize erosion and control sediment.

The permittee's SWP2 plan shall require that the sediment basin be cleaned to ensure adequate detention is available. No more than 20 percent of the sediment basin capacity shall be taken up with sediment. The basin shall be maintained until final stabilization of the area served by the sediment basin.

The 3,600 cubic feet of storage area per acre drained criteria does not apply to flows from areas where such flows are diverted around both the disturbed area and the sediment basin.

The permittee's SWP2 plan shall require both temporary and permanent sedimentation basins to have a stabilized emergency spillway to minimize the potential for erosion of the emergency spillway or sediment basin embankment.

See the definition of Sediment Basin Design Criteria for additional clarification and alternatives for sizing, volume, and retention and detention requirements.

7.2.6 Permanent Stormwater Controls - The permittee's SWP2 plan shall include a description of the measures that will be installed during construction to control pollutants in stormwater runoff that will occur after construction activities

have been completed. These would include drainage channels or systems; outlet control devices, detention basins, oil water separators, catch basins, etc. This general permit does not require the permittee or his contractors to operate or maintain these measures beyond the date of the Notice of Termination unless otherwise notified by KDHE.

7.2.7 Additional Site Management BMPs - The permittee's SWP2 plan shall address other BMPs, as required by site activities, to prevent contamination of stormwater runoff. Such BMPs include:

1. solid and hazardous waste management including: providing trash containers and regular site clean up for proper disposal of solid waste such as scrap building material, product/material shipping waste, food containers, and cups; and providing containers and proper disposal for waste paints, solvents, and cleaning compounds, etc.;
2. providing portable toilets for proper disposal of sanitary sewage;
3. storing construction materials away from drainage courses and low areas;
4. and installing containment berms and using drip pans at fuel and liquid storage tanks and containers.

7.2.8 Site Inspections by Permittee - The permittee shall ensure the construction site is inspected on a regular schedule and within twenty-four hours of the end of a precipitation event which results in precipitation of 0.5 inches or greater. The frequency of regular inspections should be proportional to the amount of construction activity. The permittee should increase the frequency of inspections when construction activity increases. Regularly scheduled inspections shall at a minimum be once per month. For disturbed areas that have not been finally stabilized all installed BMPs and other pollution control measures shall be inspected for proper installation, operation and maintenance. Locations where stormwater runoff leaves the site shall be inspected for evidence of erosion or sediment deposition. Any deficiencies shall be noted in a report of the inspection and corrected within seven calendar days of the inspection. The permittee shall promptly notify the site contractors responsible for operation and maintenance of BMPs of deficiencies.

A report of each inspection shall be made. The inspection report is to include the following minimum information: inspector's name, date of inspection, observations relative to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, listing of areas where

construction operations have permanently or temporarily stopped, and observations of stormwater discharge locations with respect to the effectiveness of the upgradient BMPs.

The inspection report shall be signed by the person performing the inspection.

The permittee shall maintain site inspection reports on-site or at the records storage location identified in the NOI. The permittee shall provide a copy of the site inspection reports to KDHE or EPA upon request.

Part 8. PROJECT COMPLETION

The permittee shall notify KDHE of the project completion by submitting a Notice of Termination (NOT). The permittee shall sign the NOT and mail it to KDHE at the address given in Part 9 of this general permit.

When the soil disturbing activities are complete, and the final stabilization has been achieved, the permittee can terminate coverage under this general permit by submitting the NOT. The project is considered to be stabilized when either perennial vegetation, pavement, buildings, or structures using man-made materials cover all areas which have been disturbed. Vegetation must have a density of at least 70 percent of undisturbed areas at the site.

For subdivision development projects, termination of coverage can be requested after three years, provided the entire subdivision is stabilized and the rate of home construction disturbs less than one (1.0) acre per year (approximately 5 lots) or less than one (1.0) acre of land remains to be developed (approximately 5 lots).

Part 9. GENERAL REQUIREMENTS OF THIS PERMIT

9.1 Records

The permittee shall maintain all records required by this general permit for a period of three (3) years following the date on the NOT. All records shall be kept on-site or in a readily available location identified in the NOI until final stabilization has been completed. After final stabilization has been completed, records may be maintained at the permittee's main office.

Records shall be readily available during normal business hours.

Records which shall be maintained by the permittee include, but are not limited to:

- The NOI indicating the Authorization of the stormwater runoff from the construction activities

by KDHE, and supporting documentation used to apply for authorization under this general permit;

- the SWP2 plan for the construction site named in the Authorization to discharge stormwater runoff, and any amendments to the SWP2;
- all site inspection records;
- all contractor's certifications;
- any clearance letters, from KDWP, KSHS, COE, or any other agency providing clearance ;
- Individual Lot Certification (ILC) forms;
- and a copy of the Notice of Termination submitted to KDHE.

Except for data determined to be confidential *under 33 USC Section 1318*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential. Knowingly making any false statement on any such report or tampering with equipment to falsify data may result in the imposition of criminal penalties as provided for in 33 USC Section 1319 and KSA 65-170c.

9.2 Contact Address

Applicants can download copies of all notifications, forms, references, or the general NPDES permit from the [KDHE Stormwater Website](http://www.kdheks.gov/stormwater/index.html) at:

<http://www.kdheks.gov/stormwater/index.html>

or can be requested by e-mail to KDHE at:

stormwater@kdhe.state.ks.us

All notifications, forms, reports, or other correspondence which must be submitted to KDHE as required by this general permit shall be sent to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

9.3 Duty to Comply

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of the CWA, K.S.A. 65-164 and 65-165, and/or K.A.R. 28-16-28 et seq. Noncompliance may result in enforcement action; termination of this authorization; denial of a permittee's application for continuing coverage; or amendment of this authorization.

It shall not be a defense for a permittee in an enforcement

action to contend that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of the general NPDES permit.

After implementation of the stormwater pollution prevention plan, if stormwater discharges adversely affect water quality, or cause violations of any other provision of this general NPDES permit, the permittee shall modify and implement the stormwater pollution prevention plan to address the non-compliance.

Failure to comply with the requirements of the general permit may subject the permittee to enforcement actions including revocation of the authorization to discharge under this general permit, a requirement to discontinue the permitted activity, fines and/or possible imprisonment.

Failure to pay the annual fee will result in revocation of the construction stormwater discharge Authorization.

9.4 Duty to Provide Information and Site Access

The permittee shall furnish to KDHE; the EPA; or any local agency having jurisdiction for any aspect of the project, any information which is requested to determine compliance with this general permit.

When the permittee becomes aware they failed to submit any relevant facts or submitted incorrect information to KDHE, they shall promptly submit such facts or information to KDHE at the address given in Part 9.

The permittee shall allow the Director or an authorized representative of KDHE, the EPA, or, local agency having jurisdiction over the project, upon the presentation of proper credentials and other documents as may be required by law, to:

- enter upon the site where a regulated construction project or activity is located or conducted or where records must be kept under the conditions of this general permit;
- obtain samples of any discharge to waters of the State;
- have access to and copy at reasonable times, any records which must be kept under the conditions of this general permit; and
- inspect any facilities or equipment (including monitoring equipment and BMPs).

9.5 Signatory Requirements

The Notice of Intent (NOI), the Notice of Termination (NOT), and the Notice of Transfer of Ownership (NOTO)

need to be signed by the owner or operator. All forms, reports, or other correspondence which must be submitted to KDHE as required by this general permit shall be signed and certified by the permittee or an authorized representative.

9.6 Chemical and Sewage Spills

In case of a spill emergency call:

U.S. EPA National Response Center:
(24 hours a day) (800) 424-8802

Kansas Division of Emergency Management: (KDEM)
(24 hours a day) (785) 296-3176

KDHE: (24 hours a day) (785) 296-1679

9.7 Hazardous Substance and Oil Spill Reporting

The permittee or authorized representative is required to notify the U.S. EPA National Response Center (800-424-8802) in accordance with the requirements of 40 CFR 117 and 40 CFR 302 as soon as the discharge of any hazardous substance or oil in excess of the reportable quantity has been discovered. A reportable quantity of oil is the quantity which causes a "film or sheen upon or discoloration of the surface of the water or adjoining shorelines or causes a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines." Reportable quantities for hazardous substances are listed in the cited CFRs.

The permittee is also required to notify the Local Emergency Planning Agency and the [Kansas Division of Emergency Management](#) (KDEM). The [Kansas Division of Emergency Management](#) may also be reached 24 hours a day at (785) 296-3176.

9.8 Sewage, Wastes, Materials, and Substances - Spill Reporting

Any discharge or escape of sewage, substances, materials, or wastes, as set forth in K.S.A. 65-171d, which are, or threaten to contaminate or alter any of the properties of the waters of the State or pollute soil in a detrimental, harmful, or injurious manner or create a nuisance, shall immediately be reported to the Kansas Department of Health and Environment. The report shall be made by the permittee, or the owner of the spilled materials, or their respective authorized representative.

In the case of discharges under conditions other than those allowed in a valid NPDES permit, the report shall be made by the permittee or an authorized representative. The report shall be made by telephone to [KDHE](#) at 785-296-1679 in accordance with K.A.R. 28-48-1 et seq.

Nothing in this general permit shall be construed to preclude KDHE's institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under the CWA (33 U.S.C. Section 1321); the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); K.S.A. 65-161 et seq.; or under state or federal statutes or regulations governing oil or hazardous substances or wastes.

9.9 Requiring a Different NPDES Permit

The Director may require the permittee to apply for and obtain an individual permit or different general permit if:

- the permittee is not in compliance with the conditions of this general permit;
- the discharge no longer qualifies for this general permit due to changed site conditions or regulations; or
- information becomes available which indicates water quality standards have been, or may be violated.

The permittee will be notified in writing of the need to apply for an individual permit or a different general permit. When an individual permit or different general permit is issued to the authorized permittee, this general permit is automatically terminated upon the effective date of the individual or different general permit, whichever the case may be.

9.10 Transfer of Ownership

9.10.1 Entire Tract - Coverage under, and the requirements of this general NPDES permit are transferable but transfer is not automatic and must be authorized by KDHE. The current permittee and the new permittee shall complete a Notice of Transfer of Ownership (NOTO) form, bearing original signatures, to KDHE at the address given in Part 9 of this general permit.

The permittee named on the first page of the authorized NOI shall submit a Notice of Transfer of Ownership (NOTO) bearing original signatures.

Transfers should be requested at least two weeks in advance of transfer of ownership or operational control to ensure KDHE has authorized the transfer and/or provisions need to be addressed by the two parties covering continued responsibility by the original permittee until such time as KDHE formally authorizes the permit transfer.

9.10.2 Individual Lot or Lots - The permittee who transfers ownership of a lot or a portion of the overall permitted area and the new owner or operator of the lot or parcel shall complete an Individual Lot Certification (ILC) form for each lot, lots or parcels sold or incorporate into the contract for sale requirements equal to those indicated on the ILC form. The ILC or statements in the contract for sale do not constitute a transfer of the Authorization to discharge. The agreement is between the new owner or operator of the lot or parcel and the permittee to implement the SWP2 plan and the conditions of the general NPDES permit cooperatively.

The owner or operator of the Authorization to discharge shall maintain either the ILC form or a copy of the contract for sale covering the same requirements on site, or in the readily available location identified in Section I of the NOI. The permittee shall provide ILC forms or agreements to KDHE, EPA, or any other government agency upon request.

Part 10. STANDARD CONDITIONS

In addition to the conditions specified in this general permit, the permittee shall comply with the following Standard Conditions.

10.1 Proper Operation and Maintenance

The permittee shall effectively operate and maintain all pollution control measures and systems necessary to achieve compliance with the terms and conditions of this general permit at all times.

Pollution control systems, erosion control measures or best management practices which require maintenance shall be maintained, repaired or replaced in a timely manner to avoid discharging stormwater runoff laden with pollutants or sediment which adversely impacts water quality.

The permittee shall take all necessary steps to minimize or prevent any adverse impact to waters of the State resulting from noncompliance with any requirements specified in this permit, including any monitoring as necessary to determine the nature and impact of the non-complying discharge. When necessary to maintain compliance with the permit conditions, the permittee shall halt or reduce those activities under its control.

When necessary to achieve compliance with the terms and conditions of this general permit, the permittee shall install, operate and maintain backup systems or auxiliary facilities to supplement the erosion control measures and best management practices proposed in the NOI.

10.2 Severability

The provisions of this general permit are severable, and if any provision of this general permit, or the application of any provision of this general permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this general permit, shall not be affected thereby.

10.3 Permit Modifications and Terminations

As provided by K.A.R. 28-16-62, after notice and opportunity for a hearing, this general permit may be modified, suspended, revoked, or terminated in whole or in part during its term for cause as provided for, but not limited to those set forth in K.A.R. 28-16-62 and K.A.R. 28-16-28b through f.

The permittee shall furnish to the Director, within a reasonable amount of time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this general permit.

10.4 Change in Discharge

All discharges authorized herein shall be consistent with the requirements and conditions of this permit.

Any modification or change in the project scope which increases the amount of soil disturbed by 10% or which affects a receiving water not listed in the NOI shall be reported to KDHE at least sixty (60) days prior to implementation. Such changes must be approved by KDHE before the modifications to the project can be implemented. The SWP2 plan shall be updated to reflect significant changes to the project in accordance with the applicable requirements of this general permit.

10.5 Discovery During Construction

In the event soil contamination or hazardous substances are discovered at the site during construction activities, the permittee shall report the discovery to KDHE verbally within 24 hours, and within 5 business days in writing.

Any discovery during construction activities which affects a threatened or endangered species, or a historical or archeological site, or in the receiving water body, needs to be reported to the KDWP or KSHS. Until site evaluations have been completed and instruction has been provided by the appropriate agencies, construction activities in the affected area needs to cease.

If soil contamination, hazardous substances, threatened or endangered species, or historical or archeological sites are

discovered during construction activities, the SWP2 plan shall be updated to reflect this new information in

accordance with the requirements and conditions of this general permit.

10.6 Removed Substances

Solids, sludge, sediment, or other pollutants removed in the course of treatment or control of stormwater runoff shall be properly managed, in accordance with applicable statutes and regulations to prevent pollution of surface water, groundwater, or soil.

10.7 Civil, Criminal, and Administrative Penalties

Kansas law provides for civil and criminal punishment including fines and imprisonment for violations of this general permit.

Nothing in this general permit shall be construed to relieve the permittee from civil, criminal, and/or administrative penalties as provided for in K.S.A. 65-171f, K.S.A. 65-170d, K.S.A. 65-167, and 33 U.S.C. Section 1319 (enforcement). Knowingly making any false statement on any report or tampering with equipment to falsify data may result in the imposition of criminal penalties as provided for in 33 U.S.C. Section 1319 and K.S.A. 65-170c.

10.8 Property Rights

The issuance of this general permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property, nor any invasion of personal rights, nor any infringement or violation of Federal, State or local laws or regulations. This general permit in no way reduces or eliminates the permittee's responsibilities to landowners whose property may be traversed by stormwater runoff from the project site either before, during, or after construction of the planned project. It is the permittee's responsibility to obtain any necessary approvals from any affected property owner.

10.9 Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this general permit which has a reasonable likelihood of adversely affecting human health or the environment.

10.10 Bypass

Any diversion or bypass of facilities necessary to maintain compliance with the general permit is prohibited except where necessary to prevent loss of human life, personal

injury, or severe property damage, and where no feasible alternative to the bypass exists.

Any bypass which occurs during construction activities which may affect a threatened or endangered species, or a historical or archeological site, on site or in the receiving water body, shall be reported to KDHE verbally within 24

hours, and within 5 business days in writing.

If a bypass occurs during construction activities, the SWP2 plan shall be updated to prevent future occurrences in accordance with the requirements and conditions of this general permit.

ENDNOTES

1. The general NPDES permit, application forms, guidance material, the rainfall erosivity waiver application, and reference material is available at the [KDHE Stormwater Website: www.kdheks.gov/stormwater/index.html](http://www.kdheks.gov/stormwater/index.html). The website also provides links to EPA guidance documents and the instructions for the rainfall erosivity calculation, [Fact Sheet 3.1 - Storm Water Phase II Final Rule Construction Rainfall Erosivity Waiver](#)

Material available on the [KDHE Stormwater Website](http://www.kdheks.gov/stormwater/index.html) includes; the General NPDES Permit; Notice of Intent; Notice of Termination; Notice of Transfer of Ownership; Contractors Certification form; Individual Lot Certification form; and the Definitions and Acronyms; in Adobe Acrobat Reader format (pdf).

Reference material available on the [KDHE Stormwater Website](http://www.kdheks.gov/stormwater/index.html) includes Frequently Asked Questions; the Fact Sheet: Erosion Control for Home Builders; the Rainfall Erosivity Waiver Application; a list of Exceptional State Waters, Special Aquatic Life Use Waters and Outstanding National Resource Waters; a list of Public Water Supply Surface Water Intakes and the complete Kansas Surface Water Register; in Adobe Acrobat Reader format (pdf).

A list of MS4 operators who have or may be required to have a local stormwater pollution prevention program is also available on the [KDHE Stormwater Website](http://www.kdheks.gov/stormwater/index.html). This list is provided and maintained for information only, and will not necessarily include all MS4 operators with a local program.

2. The owner or operator must determine whether discharging stormwater runoff from construction activities on the site is subject to any local applicable requirements. To determine the local requirements applicable to each construction project, the owner or operator must contact the local Municipal Separate Storm Sewer System (MS4) operator. A list of MS4 operators who have or may be required to have a local stormwater pollution prevention program is available on the [KDHE Stormwater Website](http://www.kdheks.gov/stormwater/index.html). This list is provided and maintained for information only, and will not necessarily include all MS4 operators with a local program.

3. If the applicant uncertain if the project is located on Indian Country land, please contact the Bureau of Indian Affairs at (785) 486-2161 or the EPA Region VII Office of Policy and Management, Program Integration Branch at (913) 551-7045. EPA is the permitting authority on Indian Country land. To request authorization to discharge stormwater runoff from construction activities conducted on Indian Country land, the applicant must contact EPA.

4. To determine if your project is located near one of these areas find the stream segment(s) or lake(s) which receive(s) the stormwater runoff on the Kansas Surface Water Register Maps, then check the designated uses of the stream segment(s) or lake(s) in the Kansas Surface Water Register. Applicants can download a copy of the Surface Water Register from the [KDHE Stormwater Website](http://www.kdheks.gov/stormwater/index.html). Copies of the Kansas Surface Water Register & Maps can be obtained by writing to KDHE at the address provided in Part 9.2.

5. This document is available through [National Technical Information Services](http://www.ntis.gov) (NTIS) at www.ntis.gov. The NTIS publication number is PB92-235951. The NTIS order desk phone number is (800) 553-6847. EPA document 832-R-92-005 may also be downloaded from the [EPA Stormwater Program](http://www.epa.gov/npdeshome) website in Adobe Acrobat Reader format (pdf) at cfpub1.epa.gov/npdeshome.cfm?program_id=6. This document is also available through the EPA Water Resources Center at (202) 260-7786.

6. Certification as a professional in erosion and sediment control is available through Certified Professional in Erosion and Sediment Control Incorporated (CPESC). CPESC can be contacted through the internet at www.cpesc.net, or by calling (828) 756-4484. For more information, contact the International Erosion Control Association at www.ieca.org or by calling 970-879-3010.

7. Routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility that disturbs less than 5 acres is not considered to be construction activity, and therefore is not subject to construction stormwater permitting requirements.

APPENDIX D: COPY OF NOI



See Attached Sheet for Instructions

NOTICE OF INTENT (NOI)
 For Authorization to Discharge Stormwater Runoff from Construction Activities
 In accordance with the Kansas Water Pollution Control General Permit
 Under the National Pollutant Discharge Elimination System

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the discharge of stormwater runoff from the construction activities identified on the NOI and supporting documentation. A signed and dated copy of the first page of the NOI indicating the authorization will be provided to the owner or operator, or all three pages for Conditional Authorizations.** Upon authorization of the construction activity discharge, a Kansas permit number and a Federal permit number will be assigned to the construction project. A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed (see listing on Page 3 of this NOI). KDHE will notify owners or operators whose Notice of Intent (NOI) and supporting documentation for Authorization of stormwater runoff associated with construction activities are incomplete, deficient, or denied. **Please Print or Type.**

I. OWNER OR OPERATOR ADDRESS & RECORD LOCATION INFORMATION

Owner or Operator's Name: _____	Contact Name: _____
Company Name: _____	Company Name: _____
Owner or Operator's Phone: _____	Contact Phone: _____
Mailing Address: _____	Mailing Address: _____
City: _____ State: _____ Zip Code: _____	E-mail Address: _____
Billing Contact Name: _____	Address where records will be kept (if not on site):
Billing Address (if different): _____	Records Address: _____
City: _____ State: _____ Zip Code: _____	City: _____ State: _____ Zip Code: _____

II. SITE INFORMATION

A. LOCATION

Project Name: _____
 Street Address: _____
 City: _____ State: _____ Zip Code: _____

B. LEGAL SITE DESCRIPTION

_____ QTR, _____ QTR, _____ QTR, _____ Section
 _____ South _____ E; W;
 Township Range
 County: _____

For Official Use Only:

Received	Paid	Authorized <input type="checkbox"/> Y; <input type="checkbox"/> N
	Date:	Is Authorization Conditional? <input type="checkbox"/> Y; <input type="checkbox"/> N (if yes see page 3 of NOI for conditions)
	Initials:	
	Check No:	
Secretary, Kansas Department of Health and Environment		Reviewer _____ Date _____
KS Permit No. _____ Federal Permit No. _____		

To receive a hard copy of the general permit packet, check yes: Y; N

Send completed 3 page NOI form with original signature to:

KDHE Contact Information:

Kansas Department of Health and Environment
 Bureau of Water, Industrial Programs Section
 1000 SW Jackson, Suite 420
 Topeka, KS 66612 - 1367

Phone: (785) 296-5545
 E-mail: stormwater@kdhe.state.ks.us

C. EXISTING CONDITIONS/USES

Is any part of the project located on Indian Country land? Y; N

If yes, contact EPA regarding discharging stormwater runoff from industrial activities on Indian Country land.

If stormwater runoff drains to or through a Municipal Separate Storm Sewer System (MS4); MS4 Name: _____

Name of the first receiving water; stream; or lake: _____ River Basin: _____

Are contaminated soils present on the site or is there groundwater contamination located within the site boundary? Y; N

If yes, on separate paper please explain in detail the locations, contaminants and concentrations.

Are there any contaminated soils that will be disturbed or any contaminated groundwater that will be pumped by the proposed construction activity? If yes, on separate paper please explain the special erosion and sediment control measures to be utilized. Y; N

Are there any surface water intakes for public drinking water supplies located within 1/2 mile of the site discharge points? Y; N

Has the Kansas State Historical Society been contacted to determine if there are any known historical or archeological sites present within the site boundary or any historical structures located within 1000 feet of the project site? Y; N

Please include documentation of project site coordination with KSHS.

Has the Kansas Department of Wildlife and Parks been contacted to determine if any threatened or endangered species habitat is located within the site boundary or in the receiving water body? Please include documentation of coordination with KDWP. Y; N

Will the project impact the line or grade of a stream or does it include dredge or fill of a potential jurisdictional water body or wetlands? If yes, please include documentation of project site coordination with the Corps of Engineers. Y; N

Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters, or Outstanding National Resource Waters located within 1/2 mile of the facility boundary? _____ Y; N

D. PROJECT DESCRIPTION

Project Description: _____

Does this NOI include all proposed soil disturbing activities associated with the entire common plan of development? Y; N

If no, explain what areas of the site and contact information, if available, that this NOI does not apply to. _____

Anticipated project Start Date: _____ and Completion Date: _____

Estimated total area to be disturbed: _____ Acres Total area of the site: _____ Acres

Do you plan to disturb ten or more acres that are within a common drainage area? Y; N

If yes, will a sedimentation basin be installed in that drainage area? (Attach design calculations for all proposed sediment basins) Y; N

If no, on a separate sheet, indicate why the sediment basin is not feasible and explain what similarly effective erosion and sediment control measures will be implemented in lieu of a sedimentation basin.

E. MAPS

Include an area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary.

F. EROSION CONTROL PLAN AND BEST MANAGEMENT PRACTICES

Provide a site plan showing the existing contour, proposed contour, the erosion control measures and the locations of stormwater management or pollution control features including BMPs. Incorporate details and notes as necessary to describe the erosion control plans and BMPs.

Provide a description of the best management practices which will be utilized to control erosion, sedimentation and other pollutants in stormwater runoff during construction.

Summarize the sequence of major soil disturbing activities and the corresponding erosion control measures or BMPs.

Provide the name and License or Certification Number of the engineer, geologist, architect, landscape architect, or certified erosion and sediment control specialist under which the construction stormwater pollution prevention plan has been developed.

Name	License/Certification Number	Profession or Field (Engineer, Architect, etc.)
------	------------------------------	---

III. ANNUAL FEE

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is \$60. An invoice for the annual permit fee will be sent to the contact person requesting a permit until such time as the permittee submits a Notice of Termination (NOT).

Failure to pay the annual fee will result in termination of the construction stormwater discharge Authorization.

IV. OWNER OR OPERATOR CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan (SWP2 Plan) will be or has been developed for the construction site described in this NOI and supporting documentation. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature (owner or operator)

Date

Name and Official Title (Please Print)

Conditions of Authorization - For Official Use Only

When indicated, Conditions of Authorization are as follows:

A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- An NOI form (construction stormwater) with an original authorized signature;
- The annual permit fee for the first year; (\$60.)
- An area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary;
- A detailed site plan showing the existing contours, proposed contours, erosion and sediment control features, locations where stormwater runoff leaves the construction site;
- A narrative summary of the additional erosion and sediment control and other best management practices that will be utilized to prevent or reduce contamination of stormwater runoff from the construction activities;
- Design calculations for any proposed sedimentation basin; and
- Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.

APPENDIX E: INSPECTION REPORTS

APPENDIX E: Stormwater Construction Site Inspection Report

General Information			
Project Name	Fort Leavenworth Commissary Add/Alter		
NPDES Tracking No.		Location	
Date of Inspection		Start/End Time	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Inspector's Qualifications			
Describe present phase of construction			
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:	Storm Duration (hrs):	Approximate Amount of Precipitation (in):	
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
<input type="checkbox"/> Other: _____ Temperature: _____			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- *Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
17		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
18		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
19		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION STATEMENT

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print name and title: _____

Signature: _____ **Date:** _____

APPENDIX F: CORRECTIVE ACTION LOG

APPENDIX G: LOG OF CHANGES AND UPDATES TO SWPPP

APPENDIX H: SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS

APPENDIX H: Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

APPENDIX I: GRADING AND STABILIZATION ACTIVITIES LOG

APPENDIX J: SWPPP TRAINING LOG

APPENDIX J: SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: _____

Project Location: _____

Instructor's Name(s): _____

Instructor's Title(s): _____

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- | | |
|--|---|
| <input type="checkbox"/> Erosion Control BMPs | <input type="checkbox"/> Emergency Procedures |
| <input type="checkbox"/> Sediment Control BMPs | <input type="checkbox"/> Good Housekeeping BMPs |
| <input type="checkbox"/> Non-Stormwater BMPs | |

Specific Training objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

APPENDIX K: DELEGATION OF AUTHORITY FORM

APPENDIX K: Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the **Fort Leavenworth Commissary Add/Alter** construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)
_____ (company)
_____ (address)
_____ (city, state, zip)
_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix G, Subsection 11.A of EPA's Construction General Permit (CGP), and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix G, Subsection 11.B (1-3).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

APPENDIX L: ENDANGERED SPECIES AND HISTORIC PRESERVATION DOCUMENTATION

APPENDIX M: INSPECTOR'S QUALIFICATIONS

APPENDIX N: CONTRACTOR CERTIFICATION FORM



CONTRACTOR'S CERTIFICATION FORM

For Discharge of Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System

This form is to be completed by each Contractor responsible for installation, operation, or maintenance of any construction stormwater best management practices (BMPs) necessary to complete the requirements of the Stormwater Pollution Prevention Plan. This completed form must be included in, or kept with, the Stormwater Pollution Prevention Plan for the site identified below.

I certify under penalty of law that I understand the terms and conditions of the Kansas Water Pollution Control general permit that authorizes the stormwater discharges associated with construction activity from the construction site identified below, and the Stormwater Pollution Prevention Plan prepared for the project.

Name of Project: _____

City: _____ County: _____ State: KS

Kansas Water Pollution Control General Permit No. S-MCST-0701-1

Kansas Permit No. _____ Federal Permit No. _____

Contractor Information

Company Name: _____

Company Address: _____

Company Phone Number: _____

Project Responsibilities: _____

Contractor's Signature: _____ Date: _____

Name (typed or printed): _____

APPENDIX O: INDIVIDUAL LOT CERTIFICATION FORM



INDIVIDUAL LOT CERTIFICATION

For Authorization to Discharge Stormwater Runoff from Construction Activity
In accordance with Kansas Water Pollution Control General Permit No. S-MCST-0701-1
Under the National Pollutant Discharge Elimination System

The permittee shall maintain this form on-site, or in a readily available location. The permittee shall provide ILC forms or a copy of the contract for land sale having the equivalent wording to KDHE or EPA upon request.

TO BE COMPLETED BY THE NEW LOT OWNER

I certify under penalty of law that I have received a copy of the Kansas Water Pollution Control General Permit and Authorization to Discharge Stormwater from Construction Activities S-MCST-0701-1 which authorizes the permit holder to discharge stormwater runoff from construction activities, and a copy of the Stormwater Pollution Prevention Plan prepared by the permit holder. I have reviewed the terms and conditions of this general NPDES permit and the Stormwater Pollution Prevention plan. I accept responsibility for erosion and sediment control during construction of the home or building for each of the lots or parcels listed below. In the event KDHE notifies the undersigned of water quality violations due to conditions at any lot listed below and I am unable or unwilling to take action within 30 days to further reduce erosion or control sediment, then I agree to allow the permit holder to have reasonable access to the site to implement erosion and sediment control measures. I understand this certification is an agreement between the parties named herein to cooperatively implement the SWP2 plan and the conditions of the general NPDES permit.

Subdivision / Project: _____

Legal Description of the Transferred Parcel(s) and/or Lot No.(s): _____

New Owner's Signature: _____ Date: _____

Name (typed or printed) : _____

If the New Owner is a Corporation and not an Individual

Company Name: _____ Phone: _____

Company Address: _____

TO BE COMPLETED BY PERMIT HOLDER

As the permittee for the overall tract wherein the above listed parcel(s) and/or lot(s) are located, I certify that I have provided the above named lot purchaser with a copy of the general NPDES permit and the Stormwater Pollution Prevention plan for the project, and I have informed the lot purchaser of his responsibility to minimize erosion and control sedimentation. I understand this certification does not constitute a transfer of the permit. I also understand this certification is an agreement between the parties named herein to cooperatively implement the SWP2 plan and the conditions of the general NPDES permit.

Name of Project: _____

Address: _____ City: _____ County: _____ State: KS Zip Code: _____

Kansas Permit No. _____ Federal Permit No. _____

Company Name: _____ Phone: _____

Company Address: _____

Permittee Signature: _____ Date: _____

Permittee Name: _____

APPENDIX P: NOTICE OF TRANSFER OF OWNERSHIP FORM



NOTICE OF TERMINATION

To Relinquish the Authorization to Discharge Stormwater Runoff from Construction Activities at the Construction Site Described Herein

Submission of this Notice of Termination (NOT) constitutes notice that the party identified below relinquishes authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE authorized successor permits, issued for discharge of Stormwater Runoff from Construction for the construction activity at the site named herein. Completion of this NOT does not automatically relieve the former permittee of any civil, criminal and/or administrative penalties.

To be considered acceptable, the NOT must be signed by the current permittee or a duly authorized representative of the current permittee, and must include the permit number assigned to the construction activity. KDHE will notify any permittee whose NOT is incomplete, deficient or denied. **Please Print or Type.**

Name of Project: _____

City: _____ County: _____ State: KS

Kansas Permit No. _____ Federal Permit No. _____

Company Name: _____ Phone: _____

This Notice of Termination is being submitted because: **(check one)**

- The construction project or larger common plan of development is finished and final site stabilization has been completed (pavement, buildings, structures, or perennial vegetation having a density of at least 70% of undisturbed areas at the site cover all areas which have been disturbed - See Part 8 of the general NPDES permit S-MCST-0701-1).
- This project is a house development subdivision project that has had a construction stormwater discharge Authorization for at least 3 years, the vacant lots are all stabilized, and the rate of home construction within the development disturbs less than one (1.0) acre (approximately 5 lots) per year or less than one (1.0) acre of land (approximately 5 lots) remain available for development (see Part 8 of the general NPDES permit S-MCST-0701-1).

I certify under penalty of law that all soil disturbances associated with the construction activity at the construction site named herein meet one of the two criteria indicated above and have therefore attained final stabilization in accordance with Part 8 of the general NPDES permit S-MCST-0701-1. I understand that by submitting this Notice of Termination, I am no longer authorized under the general NPDES permit S-MCST-0701-1 to discharge stormwater associated with construction activity at this construction site. I understand that discharging pollutants in stormwater associated with construction activity to waters of the State is unlawful under K.S.A. 65-164 and 65-165 and the Clean Water Act without authorization by a valid Kansas Water Pollution Control Permit. I understand that by submitting this Notice of Termination, I am not released from liability for any violations of the general NPDES permit S-MCST-0701-1, K.S.A. 65-164 and 65-165, the Kansas Surface Water Quality Standards (K.A.R. 28-16-28 et seq.), or the Clean Water Act. *I also hereby certify that I am authorized to sign this Notice of Termination as a representative of the permittee named herein.*

Signature: _____ Date: _____

Name (typed or printed): _____

Submit the NOT with original signatures to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

APPENDIX Q: NOTICE OF TERMINATION FORM



NOTICE OF TRANSFER OF OWNERSHIP

For Authorization to Discharge Stormwater Runoff from Construction Activity
In accordance with Kansas Water Pollution Control General Permit No. S-MCST-0701-1
Under the National Pollutant Discharge Elimination System

Use this form when ownership of the entire permitted tract or project will be changed. Otherwise use the Individual Lot Certification form. Submission of the Notice of Transfer of Ownership (NOTO) constitutes notice that the new permittee, or an authorized representative, requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for discharge of Stormwater Runoff from Construction Activities in the State of Kansas. **Completion of this NOTO does not provide automatic coverage under the general permit to the new permittee. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) confirms the transfer.** TO CONTINUE COVERAGE, THE NEW PERMITTEE MUST ASSUME THE RESPONSIBILITY TO PAY THE ANNUAL PERMIT FEE. **Please Print or Type.**

Submission of this NOTO to KDHE does not relinquish the current permittee's authorization to discharge stormwater runoff from construction activity at the site described herein. Completion of this NOTO does not automatically relieve the current permittee of any civil, criminal and/or administrative penalties. To be considered complete, the NOTO must be signed by the current permittee or a duly authorized representative of the current permittee, and must include the permit number assigned to the construction site. KDHE will notify any new permittee whose NOTO is incomplete, deficient or denied.

TO BE COMPLETED BY THE NEW PERMITTEE

I hereby accept transfer of the general NPDES permit, which was issued to _____. I have reviewed the terms and conditions of the general permit and the Stormwater Pollution Prevention plan and accept full responsibility, coverage, and liability. This transfer will be effective when KDHE confirms the transfer.

The NEW permittee is:

Owner or Operator's Name: _____ Contact Name: _____
Company Name: _____ Company Name: _____
Owner or Operator's Phone: _____ Contact Phone: _____
Mailing Address: _____ Mailing Address: _____
City: _____ State: ____ Zip Code: ____ City: _____ State: ____ Zip Code: _____

I certify under penalty of law that I have personally examined and am familiar with the information described herein, and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

New Permittee's Signature: _____ Date: _____
Name (typed or printed): _____ Title: _____

TO BE COMPLETED BY THE CURRENT PERMITTEE

As previous permittee, I hereby agree to the transfer of the permit and all responsibilities thereof. I understand that the transfer of permit responsibilities is effective when KDHE confirms the transfer.

Name of Project: _____
Address: _____ City: _____ County: _____ State: KS Zip Code: _____
Kansas Permit No. _____ Federal Permit No. _____
Permittee Signature: _____ Date: _____
Permittee Name: _____ Title: _____ Phone Number: _____

Submit the NOTO with original signatures within 14 days of the transfer of ownership to:
Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367