**U.S. Department of Agriculture**

**Kansas Conservation Reserve Enhancement Program, CP23 Wetland Restoration**

**Documentation of Suitability and Feasibility Worksheet (Version 2.1 June 2019)**

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<tr>
<th>Name of Client:</th>
<th>Client Phone Number: ( ) ______ - ________</th>
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<tr>
<th>Farm Number:</th>
<th>Field Number(s):</th>
<th>Location Description:</th>
<th>State:</th>
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<td>Tract Number:</td>
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*Refer to the Worksheet Instructions for guidance on completing a Suitability and Feasibility Determination.*

**Kansas Upper Arkansas River Conservation Reserve Enhancement Program Purpose:** To conserve irrigation water and to improve water quality through the permanent termination of water rights and the establishment of permanent vegetative cover. The intention is to slow the aquifer water level decline, loss of baseflow to the river, enhance associated wildlife habitat, conserve energy, and reduce agricultural chemical and sediment runoff.

**CP23 Wetland Restoration Practice Purpose:** Restore the functions and values of wetland ecosystems that have been devoted to agricultural use.

**Element #1 Site Conditions/Program Requirements**

Identify if offer area meets Kansas CREP site conditions criteria by checking the following:
*Refer to Worksheet Instructions for the definition of a 100-year floodplain, and for calculating hydric soils.*

- □ At least 51% of the eligible cropland for the offer must be located in the CREP project area.
- □ The offer contains a wetland currently devoted to agricultural use that is located within the 100-year floodplain of a permanent river or stream.
- □ The wetland restoration area includes a minimum of 51% hydric soils for the acreage offered (non-buffer area).
- □ CP23 offer does not exceed the ratio of 3 acres of buffer to 1 acre of wetland.

Current Cover Type in Offer Area: ___________________________________________________________

Current Land Use in Offer Area: _____________________________________________________________

- □ YES – All Site Conditions Referenced Above are Met
- □ NO – Site Conditions Not Met

**Element #2 Practice Needs**

Is there a resource concern within the offer area that is targeted by the Kansas CREP CP23?
*If existing cover is solving the resource concern(s) in the practice purpose, then the determination must be that the CP is not needed. Reference Worksheet Instructions for guidance on CRP contract re-enrollment.*

Indicate which NRCS resource concern causes are present within the offer area:
Primary Resource Concern Cause (The following resource concern cause must be present to meet practice need)

- □ Insufficient Water: Inefficient use of irrigation water

Secondary Resource Concern Cause (Not required to be present to meet practice need)

- □ Soil Erosion: Sheet, rill, and wind erosion
- □ Soil Erosion: Concentrated flow erosion
- □ Water Quality Degradation: Excess nutrients in surface and ground waters
- □ Water Quality Degradation: Excessive sediment in surface waters
- □ Degraded Plant Condition: Undesirable plant productivity and health
- □ Inadequate Habitat for Fish and Wildlife: Habitat degradation
- □ Inefficient Energy Use – Equipment and facilities
- □ Air Quality Impacts: Emissions of particulate matter and precursors

- □ YES – Practice is Needed
- □ NO – Practice is Not Needed
Element #3 Practice Feasibility
Will the implementation of Kansas CREP CP23 solve or address the resource concern(s) listed in the practice purpose?
*Offer must include an area to establish a buffer for protection of the wetland and to enhance wildlife habitat.
*At least one of the resource concern causes indicated as present in the offer area in Element #2 must be solved or addressed to meet Practice Feasibility.
*Applicant must be willing to operate and maintain irrigation system as needed to establish NRCS designed permanent vegetative cover.

☐ YES – Practice is Feasible  ☐ NO – Practice is Not Feasible

Element #4 Practice Suitability
Are the offered acres suitable and adapted to the restoration of wetland functions and values? The restoration of wetland hydrology is only required to the extent specified by the producer in consultation with NRCS or TSP.
*The irrigation system (well and center pivot) must be able to deliver water at a minimum capacity of 1.8 gallons/minute/acre (gpm/ac) for establishment of permanent vegetative cover.

For those CREP applications containing soils with an I factor of 134 or higher, the applicant must provide:
• Documentation that the irrigation well can produce 1.8 gpm/ac for the offered acres.
• The nozzle design package information for the irrigation system located on the offered acres. The planned flow rate of the nozzle package must match the capacity of the well.
• A functioning sprinkler irrigation system capable of irrigating the offered acres.
• Verification of the current flow rate for the point of diversion being retired under CREP. Acceptable verification documentation includes one of the following:
  ☐ Division of Water Resources (DWR) or Groundwater Management District (GMD) records of well capacity for the applicable water right.
  ☐ Well driller estimates.
  ☐ Field measurements of well capacity from GMD, NRCS, or other qualified source.
  *Verification by any method shall be no more than one year old and represent an average well capacity over the irrigation season.
• Farm Service Agency certified irrigated acres for the previous 3 years.

☐ YES – Practice is Suitable  ☐ NO – Practice is Not Suitable

Suitability and Feasibility Determination Findings:

☐ The location and size of the offered acres as shown on the CRP-2C map meet all four elements of the Suitability and Feasibility determination.

☐ The offer DOES NOT meet the Suitability and Feasibility requirements. Check the element(s) that were not met.
  ☐ Site Conditions/Program Requirements
  ☐ Practice Needs
  ☐ Practice Feasibility
  ☐ Practice Suitability

☐ Modification of the offer (either location, size, or practice) would result in meeting all four S&F determination elements. See documentation.

Documentation:
Provide information supporting the determination of each element in this section.
Conservation Planner has attached or provided to FSA (check all that applies):
  ☐ Notes on form NRCS CPA-6
  ☐ Photos
  ☐ Other: ____________________________  ☐ Map
  ☐ Electronic File with GPS Points or GIS Shapefile

Field Visit Completed by: _____________________________  Date: ________________  Date Returned to FSA: ________________

Suitability and Feasibility Determination Completed by: ________________________________