FACILITY 2A - SEPARATOR

STINAR C14-28D
4N-64W
SECTION 14: NWNE

Map Unit Description

Weld County, Colorado, Southern Part

21 Dacono clay loam, 0 to 1 percent slopes

Setting

Elevation: 4550 to 4970 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 160 days

Composition

Dacono and similar soils: 85 percent
Minor components: 15 percent

Description of Dacono

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2s
Land capability (non irrigated): 3s
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 12 inches: clay loam
12 to 21 inches: clay loam
21 to 27 inches: clay loam
27 to 60 inches: very gravelly sand

Minor Components

Heldt

Percent of map unit: 5 percent

Nunn

Percent of map unit: 5 percent

Altvan

Percent of map unit: 5 percent

FACILITY 2A - SEPARATOR

STINAR C14-28D
4N-64W
SECTION 14: NWNE

Map Unit Description

Weld County, Colorado, Southern Part

25 Haverson loam, 0 to 1 percent slopes

Setting

Elevation: 4500 to 4800 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days

Composition

Haverson and similar soils: 85 percent
Minor components: 15 percent

Description of Haverson

Setting

Landform: Flood plains, stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified, calcareous alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 1 percent
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability classification (irrigated): 3w
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: loam
4 to 60 inches: stratified loamy sand to loam to clay loam

Minor Components

Vona

Percent of map unit: 8 percent

Fluvaquentic haplustolls

Percent of map unit: 4 percent
Landform: Terraces

Other soils

Percent of map unit: 3 percent

FACILITY 2A - SEPARATOR

STINAR C14-28D
4N-64W
SECTION 14: NWNE

Map Unit Description

Weld County, Colorado, Southern Part

74 Vona loamy sand, 5 to 9 percent slopes

Setting

Elevation: 4600 to 5200 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days

Composition

Vona and similar soils: 85 percent
Minor components: 15 percent

Description of Vona

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 5 to 9 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.5 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: loamy sand
6 to 28 inches: fine sandy loam
28 to 60 inches: sandy loam

Minor Components

Valent

Percent of map unit: 10 percent

Remmit

Percent of map unit: 5 percent

FACILITY 2A - SEPARATOR

STINAR C14-28D
4N-64W
SECTION 14: NWNE

Map Unit Description

Weld County, Colorado, Southern Part

75 Vona sandy loam, 0 to 1 percent slopes

Setting

Elevation: 4650 to 4950 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days

Composition

Vona and similar soils: 85 percent
Minor components: 15 percent

Description of Vona

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.8 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: sandy loam
6 to 28 inches: fine sandy loam
28 to 60 inches: sandy loam

Minor Components

Remmit

Percent of map unit: 11 percent

Olney

Percent of map unit: 4 percent