

**Swift & Staley Team/DOE Paducah Site  
Classification Office/Technical Information Office (TIO)  
and Operations Security (OPSEC) Release Form**

To Be Completed by Person Requesting Release  
(Required to be completed prior to submittal to Classification Office/TIO/OPSEC)

Date 3/19/18 Date Release is Required 3/20/18  
 Person Requesting Release Brandon Henderson Phone Number 5818  
 Mailing Address 5600 Hobbs Road, Kevil, KY 42053  
 Organization Engineering  
 Document Number See attached list of drawing numbers Number of Pages 156  
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 Document Title/Date See attached list of drawing titles

Author Brandon Henderson Corporate Author FRNP  
**Media** (Check all that apply)  
 Paper  Photo  Diskette  Drawing  Video  CD  Report/Letter  Other \_\_\_\_\_  
 Project Subcontract/Task Order U. S. Department of Energy (DOE) contract, DE-EM0004895,  
 EM.PA.0040.A008.42.DR.02 Steam, Chilled Water, Compressed Air, & Waste  
 Heat Systems, charge code P11020  
 Requestor/Purpose of Release Brandon Henderson/Release to public (potential contractors for pre-bid)

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<b>ECI</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<b>OUO</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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 4. Commercial/Proprietary  6. Personal Privacy  OPSEC \_\_\_\_\_

Other/Comments \_\_\_\_\_

DC	<u>David Hayden</u>	Date	<u>3-19-18</u>
TIO	<u>David Hayden</u>	Date	<u>3-19-18</u>
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## Utility

C5E-7127, CATHODIC PROTECTION - UTILITY GRID 27 - PRIORITY 3

C5E-6727, AIR, NITROGEN AND STEAM - UTILITY GRID 27 - PRIORITY 3

C5E-6127, RECIRCULATING WATER WASTE HEAT - UTILITY GRID 27 - PRIORITY 3

C5E-6227, RECIRCULATING WATER WASTE HEAT - UTILITY GRID 27 - PRIORITY 3

C5E-6527, ELECTRICAL DUCTS, COMMUNICATIONS & GROUNDING - UTILITY GRID 27 - PRIORITY 3

C5E-7027, CHILLED WATER - UTILITY GRID 27 - PRIORITY 3

C21-4-M, CHILLED WATER - PLAN AND PROFILE LINES 63 & 65

B3-7-M, GAS AND WATER MAINS, C-102

B3-5-M, PLUMBING SECTIONS AND DETAILS, C-102

B3-3-M, PART ONE FIRST FLOOR UNDERGROUND PLUMBING, C-102

B3-1-M, MASTER UNDERGROUND PLUMBING PLAN FIRST FLOOR AND BASEMENT, C-102

B3-8-E, DISPENSARY - POWER - PART PLANS - DETAILS, C-102

B2-4-E, POWER FIRST FLOOR PRIORITY 3

B2-7-E, CAFETERIA - LIGHT - POWER - DIAGRAMS, PRIORITY 3

M5C-19920-A01, CAFETERIA NORTH FOYER HEATER INSTALLATION BUILDING C101 PRIORITY 3

B2-4-M, PLUMBING - KITCHEN PLAN AND DETAILS - CAFETERIA - PRIORITY 3

B2-4-E, POWER FIRST FLOOR PRIORITY 3, C-101

B2-2-M, PLUMBING BASEMENT AND DETAILS, C-101

B2-1-M, PLUMBING FIRST FLOOR PLAN, C-101

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B1-15-E, POWER - BASEMENT PRIORITY 3, C-100

B1-42-M, PIPING LAYOUT STEAM CENTRAL EQUIPMENT ROOM, C-100

B1-41-M, PIPING LAYOUT STEAM NORTHEAST EQUIPMENT ROOM, C-100

B1-40-M, PIPING LAYOUT STEAM SOUTHEAST EQUIPMENT ROOM, C-100

B1-38-M, PLUMBING DETAILS, C-100

B1-37-M, Toilet Room Details, C-100

B1-35-M, SECOND FLOOR PLUMBING PLAN, C-100

B1-34-M, FIRST FLOOR PLUMBING PLAN, C-100

B1-4-E, Primary Duct - Grounding, C-100

265708, 500 KVA 13 8 KV 208 120Y VOLTS 3 PHASE 4 WIRE 60 CYCLE SCHEMATIC WIRING DIAGRAM, C-100

B1-5-E, Transformer Rooms 1 and 2, C-100 Administration Building

E-M-14179-C, Process Waste Heat Utilization Plan C-101, Cafeteria

E-M-14179-B, Process Waste Heat Utilization Plan C-100, Administration Building

E-M-14179-D, Process Waste Heat Utilization Plan C-102, Medical

M5E-16409-G, Hot and Cold Water Pipe Upgrading, C-100 Steam-Water Heater Install.

M5E-16409-F, Hot and Cold Water Pipe Upgrading, C-100 & C-101 Support Details

M5E-16409-E, Hot and Cold Water Pipe Upgrading, C-100 Administration Piping Sections & Details

M5E-16409-D, Hot and Cold Water Pipe Upgrading, C-102 Hospital Basement Piping Section & Details

M5E-16409-B R2, Hot and Cold Water Pipe Upgrading, C-101 Cafeteria First Floor Piping Plan

M5E-16409-C, Hot and Cold Water Pipe Upgrading, C-101 Cafeteria Piping Section and Details

M5E-16409-B R1, Hot and Cold Water Pipe Upgrading, C-101 Cafeteria First Floor Piping Plan

M5E-16409-A, Hot and Cold Water Pipe Upgrading, C-101 Cafeteria Basement Piping Plan & Details

B1-33-M, Basement Plumbing Plan East and West Wing, C-100 Administration Building

B1-32-M, Basement Plumbing Plan Main Wing, C-100 Administration Building

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M5E 15728 C, HVAC UPGRADING C-100, C-101 & C-102 PLAN SECTIONS DEMOLITION

M5E 15728 D, HVAC UPGRADING C-100, C-101 & C-102 AIR PIPING PLAN AND DETAILS

M5E 15728 B, HVAC UPGRADING C-100, C-101 & C-102 PIPING DIAGRAM AND SCHEDULES

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I5B15728 B14, HVAC UPGRADING C100 C101 AND C102 INSTRUMENT TABULATION SHEET 14 OF 15

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I5B15728 B12, HVAC UPGRADING C100 C101 AND C102 INSTRUMENT TABULATION SHEET 12 OF 15

I5B15728 B11, HVAC UPGRADING C100 C101 AND C102 INSTRUMENT TABULATION SHEET 11 OF 15

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I5B15728 B4, HVAC UPGRADING C100 C101 AND C102 INSTRUMENT TABULATION SHEET 4 OF 15

I5B15728 B3, HVAC UPGRADING C100 C101 AND C102 INSTRUMENT TABULATION SHEET 3 OF 15

I5B15728 B2, HVAC UPGRADING C100 C101 AND C102 INSTRUMENT TABULATION SHEET 2 OF 15

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A5E-19207-B00, TLD ISSUE CENTER BUILDING C100 POST 1 MODIFICATIONS REFLECTED CEILING PLAN

M5E-19071-SK3, USEC OFFICE AREA BUILDING C 100 REFLECTED CEILING PLAN and DUCTWORK MODIF DETS

E-PE-P4519-A, UNDERFLOOR DUCT OUTLETS ELECTRICAL SERVICE FOR IBM ROOM PRIORITY 3, C-100

E5E-19608-A00, INSTALL DEDICATED AIR CONDITIONER IN C100 ROOM 100 PARTIAL PLAN AND SECTIONS

M5E-17913-A00, DOE OFFICE AREA MODIFICATIONS HVAC DUCT WORK PHASE A and PHASE B, C-100 Administration Building

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B1-27-M, Piping Layout - Steam Southwest Equipment Room, C-100 Administration Building

B1-29-M, Piping Layout Steam Pressure Reducing Stations, C-100 Administration Building

B1-26-M, Piping Layout Chilled Water Piping Sections, C-100 Administration Building

B1-25-M, Piping Layout Anchors & Supports, C-100 Administration Building

B3-8-M, Plan of Vents, C-102 Medical

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B1-17-M, Air Conditioning Layout Steam Connections Isometrics, C-100 Administration Building

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B1-7-M, Air Conditioning Layout Northeast Equipment Room, C-100 Administration Building

B1-6-M, Air Conditioning Layout Southeast Equipment Room, C-100 Administration Building

B1-5-M, Air Conditioning Layout Northwest Equipment Room, C-100 Administration Building

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B1-3-M, Air Conditioning Typical Details, C-100 Administration Building

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B3-15-M, Air Conditioning Temperature Control & Detail, C-102 Medical

B3-14-M, Air Conditioning Details, C-102 Medical

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B2-10-M, Air Conditioning Control Diagrams & Details, C-101 Cafeteria

B2-9-M, Air Conditioning Miscellaneous Piping Details, C-101 Cafeteria

B2-8-M, Air Conditioning - Sections, C-101 Cafeteria

B2-7-M, Air Conditioning - Basement, C-101 Cafeteria

B2-6-M, Air Conditioning Penthouse-Plan & Details - C-101 Cafeteria

I5E 15728 E, HVAC Upgrading, C-100, C-101 & C-102 Steam to Hot Water Converter Temperature Control Details

I5E 15728 D, HVAC Upgrading, C-100, C-101 & C-102 Control Cabinet Assembly

I5E 15728 C2, HVAC Upgrading, C-100, C-101 & C-102 Instrumentation System Diagram

I5E 15728 C1, HVAC Upgrading, C-100, C-101 & C-102 Instrumentation System Diagram

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B1-13-M, Air Conditioning Main Wing - First Floor, C-100 Administration Building

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B2-5-S, ROOF AND PENTHOUSE SECTIONS. C-101

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A5E-14951-0001, Buildings C-100, C-101, & C-102 Floor Plans

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B1-14-A, ADMINISTRATION BLDG. - WINDOW AND DOOR DETAILS

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B1-7-A, ROOF PLAN AND DETAILS

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E-A-14817-A, ROOFING SYSTEM REPLACEMENT C 100 AND C 101 BUILDINGS ROOF PLANS AND DETAILS

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 Document Number M5E-ZB9890-A01 & B3-12-M Number of Pages 2  
 Accession Number (DMC only) \_\_\_\_\_  
 Document Title/Date M5E-ZB9890-A01,Waste Heat System Conversion Flow Diagram - Priority 3  
B3-12-M, Dispensary - Air Conditioning - First Floor Plan

Author Brandon Henderson Corporate Author FRNP  
**Media** (Check all that apply)  
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DC	<u>David Hayden</u>	Date	<u>3-28-18</u>
TIO	<u>David Hayden</u>	Date	<u>3-28-18</u>
Reviewing Official <sup>2</sup>	<u>David Hayden</u>	Date	<u>3-28-18</u>
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 H5E-14951-0002, Process Waste Heat Utilization - HVAC - Building C-100 - Northwest Equipment Room - Plan  
 H5E-14951-0003, Process Waste Heat Utilization - HVAC - Building C-100 - Northeast Equipment Room - Part  
 Plan  
 H5E-14951-0004, Process Waste Heat Utilization - HVAC - Building C-100 - Southwest Equipment Room - Part  
 Plan  
 H5E-14951-0005, Process Waste Heat Utilization - HVAC - Building C-100 - Southeast Equipment Room - Plan  
 H5E-14951-0006, Process Waste Heat Utilization - HVAC - Building C-100 - Central Equipment Room - Part Plan  
 & Schedules  
 H5E-14951-0007, Process Waste Heat Utilization - HVAC - Building C-101 - Basement & First Floor - Part Plan  
 H5E-14951-0008, Process Waste Heat Utilization - HVAC - Building C-101 - Sections, Details & Schedules  
 H5E-14951-0009, Process Waste Heat Utilization - HVAC - Building C-102 - Basement & First Floor - Part Plan  
 H5E-14951-0010, Process Waste Heat Utilization - HVAC - Building C-102 - Sections, Details & Schedules

Author Brandon Henderson Corporate Author FRNP

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