From: Vojin Janjic
To: Robert Alexander
Cc: Elizabeth Rorie
Subject: FW: SOP Applications
Date: Tuesday, June 20, 2017 12:33:35 PM
Attachments: image001.png
image004.png

Alex:

Please review, and if complete, prepare letter for my signature. This is a priority, as it has been in the KEFO for a while.

Beth:

Please add new permit number and upload application to the Y-12 site.

Thanks both!

TN Department of Environment & Conservation

Vojin Janjic | Manager, Water-Based Systems
Division of Water Resources
William R. Snodgrass Tennessee Tower, 11th Floor
312 Rosa L. Parks Ave, Nashville, TN 37243
p. 615-532-0670
vojin.janjic@tn.gov
tn.gov/environment

We accept and encourage electronic document submittals.
Please tell us how you think we're doing by completing this survey: ***TDEC Customer Satisfaction Survey***

From: Shontz, Beverly [mailto:Beverly.Shontz@cns.doe.gov]
Sent: Wednesday, May 24, 2017 10:40 AM
To: Vojin Janjic
Cc: Natalie Harris
Subject: SOP Applications

The TDEC Knoxville Field Office has requested that we provide you with the attached SOP applications for action. Please note the applications were submitted to the Knoxville Field Office consistent with the instructions contained on the application forms on May 9, 2017.

If you have any questions or comments on this submission, please contact Clarence C. Hill at 865.576.7113 or Sandy Reagan at 865.576.3155.

R/S,
Beverly/Sandy Reagan/Clarence C. Hill

Beverly Shontz
Senior Administrative Specialist
Contractor to the Department of Energy
Beverly.Shontz@cns.doe.gov
(865) 576-2527 **Office**
(865) 574-9041 **Fax**
(865) 916-1065 **Pager**

CNS | consolidated nuclear security, llc
PANTEX PLANT | Y-12 NATIONAL SECURITY COMPLEX

301 Bear Creek Rd.
P.O. Box 2009
Oak Ridge, TN 37831-8111

Office 865.574.1589
Fax 865.241.4533

May 9, 2017

Mr. Michael Atchley, Program Manager
Tennessee Department of Environment and Conservation
Division of Water Resources
3711 Middlebrook Pike
Knoxville, Tennessee 37921

Dear Mr. Atchley:

Consolidated Nuclear Security State Operation Permit Applications for Post 20 and Post 23

Attention: DWR, Permit Section

Enclosed are two applications for pump and haul permits for two security posts located at the Y-12 National Security Complex (Y-12), Oak Ridge, Tennessee, operated by Consolidated Nuclear Security (CNS) for the National Nuclear Security Administration, U.S. Department of Energy. Items one (1) through six (6) noted below are included in both application packages. Item seven (7) is included in the Post 23 application only. Attachments to the applications are:

1. A 7.5-minute grid map from the U.S. Census web site,
2. Map showing the location of Post 20 and Post 23,
3. Specifications and drawings showing the design of the restroom facilities,
4. Copy of the pumping contractor's permit cover page,
5. Copy of the pumping contractor's approval from the Knoxville Utilities Board,
6. Copy of CNS Basic Order Agreement with the pumping contractor, and
7. For the Post 23 application only, *Note 1 Attachment* as referenced in the application.

Public access to Y-12 is controlled consistent with national security requirements. Two of the primary accesses to Y-12 are security Post 20 and security Post 23 - both located on Bear Creek Road. Security personnel are stationed at these checkpoints 24 hours/ day, 7 days/week. These security checkpoints are currently serviced by a single Port-o-Let at each checkpoint. Due to a required increase in the number of security personnel stationed at these checkpoints, and the current configuration at Post 23, there is a need to improve restroom facilities at these two security posts.

Post 20 has no access to a water distribution system or sanitary sewers and is more remotely located than Post 23. There is currently no water or sewer line service available on that end of Y-12, and none proposed in the foreseeable future. The water line serving Post 23 was isolated and abandoned during a major potable water improvement project in 2010. The sanitary sewer nearest Post 23 is unsuitable for use and determined to be a significant source of inflow and infiltration to the Y-12 sanitary sewer system. Isolation of this segment of the Y-12 sewer system prior to installation of the pump and haul facility at Post 23 will reduce the inflow and infiltration entering the City of Oak Ridge sewer system.

If you have any questions or comments, please contact Stacey E. Loveless of my staff at 865.576.9657.

Sincerely yours,

Samuel D. Easterling

Samuel D. Easterling, Acting Senior Director
Y-12 Environment, Safety and Health

SDE:bjs

Enclosure: As stated

c/enc: G. S. Beck
R. P. Burlison
D. Carmany
J. P. Donnelly
C. C. Hill
S. D. Reagan
C. P. Thompson
9114 DMC – 1971352.5202 – RC
YDCC – RC
NPO-Correspondence@npo.doe.gov

c: S. D. Easterling
M. H. Hitson
S. E. Loveless
R. E. Young

Tennessee Department of Environment and Conservation
Division of Water Resources
William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243-1102
(615) 532-0625

Enclosure 1
Letter, S. D. Easterling to
M. Atchley
Dated: May 9, 2017

APPLICATION FOR A STATE OPERATION PERMIT (SOP)

Post 23

Type of application: ☒ New Permit ☐ Permit Reissuance ☐ Permit Modification

Permittee Identification: (Name of city, town, industry, corporation, individual, etc., applying, according to the provisions of Tennessee Code Annotated Section 69-3-108 and Regulations of the Tennessee Water Quality Control Board.)	
Permittee Name (applicant):	Consolidated Nuclear Security, LLC
Permittee Address:	Bear Creek Road, Post Office Box 2009, Oak Ridge, Tennessee 37831-8239

Official Contact: Stacey E. Loveless	Title or Position: Director, Environmental Compliance		
Mailing Address: Y-12 National Security Complex Post Office Box 2009	City: Oak Ridge	State: TN	Zip: 37831-8239
Phone number(s): 865.576.9657	E-mail: Stacey.Loveless@cns.doe.gov		

Optional Contact: Sandra D. Reagan	Title or Position: Manager, Clean Water Compliance		
Address: Y-12 National Security Complex Post Office Box 2009	City: Oak Ridge	State: TN	Zip: 37831-8239
Phone number(s): 865.576.3155	E-mail: Sandy.Reagan@cns.doe.gov		

Application Certification (must be signed in accordance with the requirements of Rule 0400-40-05-.05)		
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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury		
Name and title; print or type Samuel D. Easterling, Acting Director Environment, Safety and Health	Signature Samuel D Easterling	Date 5/9/2017

CCN201779881

Permit Number: SOP-_____

Facility Identification:	**Existing Permit No.**
Facility Name: Portal 23 Restroom Vault	County: Anderson
Facility Address or Location: Post Office Box 2009 Oak Ridge, TN 37831-8239	Latitude: 35° 59' 43"
	Longitude: 84° 14' 34"
Name and distance to nearest receiving waters: East Fork Poplar Creek ~1,100 feet	
If any other State or Federal Water/Wastewater Permits have been obtained for this site, list their permit numbers: Y-12 Site NPDES Permit TN0002968	
Name of company or governmental entity that will operate the permitted system:	Consolidated Nuclear Security, LLC
Operator address: Post Office Box 2009, Oak Ridge, TN 37831-8239	
Has the owner/operator filed for a Certificate of Convenience & Necessity (CCN), or an amended CCN, with the Tennessee Regulatory Authority (TRA) (may be required for collection systems and land application treatment systems)? ☐ Yes ☐ No ☒ N/A	
If the applicant listed above does not yet own the facility/site or if the applicant will not be the operator, explain how and when the ownership will be transferred or describe the contractual arrangement and renewal terms of the contract for operations.	

Complete the following information explaining the entity type, number of design units, and daily design wastewater flow:

Entity Type	Number of Design Units		Flow (gpd)
☐ City, town or county	No. of connections:		
☐ Subdivision	No. of homes:	Avg. No. bedrooms per home:	
☐ School	No. of students:	Size of cafeteria(s): No. of showers:	
☐ Apartment	No. of units:	No. units with Washer/Dryer hookups: No. units without W/D hookups:	
☐ Commercial Business	No. of employees:	Type of business:	
☐ Industry	No. of employees:	Product(s) manufactured:	
☐ Resort	No. of units:		
☐ Camp	No. of hookups:		
☐ RV Park	No. of hookups:	No. of dump stations:	
☐ Car Wash	No. of bays:		
☒ Other	14 employees per 24 hrs	Single stall bathroom; no showers	Est. 300 gal/day

Describe the type and frequency of activities that result in wastewater generation.

Y-12 Security personnel manning checkpoints 24 hours/day, 7 days per week

Permit Number: SOP-_____

Engineering Report (required for collection systems and/or land application treatment systems):	☒ N/A
☐ Prepared in accordance with Rule 0400-40-05-.03 and Section 1.2 of the State of Tennessee Design Criteria for Sewage Works (see website for more information) ☐ Attached, or ☐ Previously submitted and entitled: Approved? ☐ Yes. Date: ☐ No Operation and Maintenance Inspection Schedule Submitted: Approved? ☐ Yes. Date: ☐ No	
Wastewater Collection System:	☒ N/A
System type (i.e., gravity, low pressure, vacuum, combination, etc.):	
System Description:	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):	
In the event of a system failure describe means of operator notification:	
List the **emergency** contact(s) (name/phone):	
For low-pressure systems, who is responsible for maintenance of STEP/STEG tanks and pumps or grinder pumps (list all contact information)?	
Approximate length of sewer (excluding private service lateral):	
Number/hp of lift stations: / Number/hp of lift pumps /	
Number/volume of low pressure and or grinder pump tanks / Number/volume septic tanks /	
Attach a schematic of the collection system. ☐ Attached	
If this is a satellite sewer and you are tying in to another sewer system complete the following section, listing tie-in points to the sewer system and their location (attach additional sheets as necessary):	

Tie-in Point	Latitude (xx.xxxx°)	Longitude (xx.xxxx°)

Permit Number: SOP-_____

Land Application Treatment System:	☒ N/A
Type of Land Application Treatment System: ☐ Drip ☐ Spray ☐ Other, explain:	
Type of treatment facility preceding land application (recirculating media filters, lagoons, other, etc.):	
Attach a treatment schematic. ☐ Attached	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):	
For New or Modified Projects: Name of Developer for the project:	
Developer address and phone number:	
For land application, list: Proposed acreage involved: Inches/week gpd/sq.ft loading rate to be applied:	
Is wastewater disinfection proposed?	
☐ Yes Describe land application area access:	
☐ No Describe how access to the land application area will be restricted:	

Attach required additional Engineering Report Information (see website for more information)

☐ Topographic map (1:24,000 scale presented at a six inch by six inch minimum size) showing the location of the project including quadrangle(s) name(s) GPS coordinates, and latitude and longitude in decimal degrees should also be included.

☐ Scaled layout of facility showing the following: lots, buildings, etc. being served, the wastewater collection system routes, the pretreatment system location, the proposed land application area(s), roads, property boundaries, and sensitive areas such as streams, lakes, springs, wells, wellhead protection areas, sinkholes and wetlands.

☐ Soils information for the proposed land disposal area in the form of a Water Resources Soils Map per Chapter 16 and 17 State of Tennessee Design Criteria for Sewage Works. The soils information should include soil depth (borings to a minimum of 4 feet or refusal) and soil profile description for each soil mapped.

☐ Topographic map of the area where the wastewater is to be land applied with no greater than ten foot contours presented at a minimum size of 24 inches by 24 inches.

☐ Describe alternative application methods based on the following priority rating: (1) connection to a municipal/public sewer system, (2) connection to a conventional subsurface disposal system as regulated by the Division of Water Resources, and/or (3) land application.

Permit Number: SOP-_____

For Drip Dispersal Systems Only: Unless otherwise determined by the Department, sewage treatment effluent wells, i.e, large capacity treatment/drip dispersal systems after approval of the SOP Application, will be issued an UIC tracking number and will be authorized as Permit by Rule per UIC Rule 0400-45-06-.14(2) and upon issue of a State Operating Permit and Sewage System Construction Approval by the Department. Describe the following:	☒ N/A
The area of review (AOR) for each Drip Dispersal System shall, unless otherwise specified by the Department, consist of the area lying within a one mile radius or an area defined by using calculations under 0400-45-06-.09 of the Drip Dispersal System site or facility, and shall include, but not be limited to general surface geographic features, general subsurface geology, and general demographic and cultural features within the area. Attach to this part of the application a general characterization of the AOR, including the following: (This can be in narrative form)	
☐ A general description of all past and present groundwater uses as well as the general groundwater flow direction and general water quality.	
☐ A general description of the population and cultural development within the AOR (i.e. agricultural, commercial, residential or mixed)	
☐ Nature of injected fluid to include physical, chemical, biological or radiological characteristics.	
☐ If groundwater is used for drinking water within the area of review, then identify and locate on a topographic map all groundwater withdrawal points within the AOR, which supply public or private drinking water systems. Or supply map showing general location of publicly supplied water for the area (this can be obtained from the water provider)	
☐ If the proposed system is located within a wellhead protection area or source water protection area designated by Rule 0400-45-01-.34, show the boundary of the protection area on the facility site plan.	
☐ Description of system, Volume of injected fluid in gallons per day based upon design flow, including any monitoring wells	
☐ Nature and type of system, including installed dimensions of wells and construction materials	

Pump and Haul:	☐ N/A
Reason system cannot be served by public sewer: **See Note 1 (Attachment 7)	
Distance to the nearest manhole where public sewer service is available: **See Note 1 Attachment 7	
When sewer service will be available: No sewer service is planned for this location. **See Note 1 Attachment 7	
Volume of holding tank: 1,000 gal.	
Tennessee licensed septage hauler (attach copy of agreement): TNT Portable Toilets (Carson Crest, LLC)[1]	
Facility accepting the septage (attach copy of acceptance letter): Knoxville Utilities Board (KUB), Kuwahee Wastewater Treatment Plant (STP)[2]	
Latitude and Longitude (in decimal degrees) of approved manhole for discharge of septage: KUB Kubwahee STP	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): The 1,000-gallon capacity is approximately 400% of expected usage.	

The holding tank is concrete with an ABS plastic liner [specification sheets (Attachment 3)]. Audible and/or visible level indicator will be installed. Contractor schedule will provide service at regular and specific intervals to ensure that the holding capacity of the 1,000-gal tank is never reached before the next scheduled service. An appropriate spill kit will be available at all times. An emergency Spill Response Team is available 24 hours/day, 7 days/week on site and can respond immediately.

[1]Attachment 6: [2]Attachment 5

Permit Number: SOP-_____

Holding Ponds (for non-domestic wastewater only):	☒ N/A
Pond use: ☐ Recirculation ☐ Sedimentation ☐ Cooling ☐ Other (describe):	
Describe pond use and operation:	
If the pond(s) are existing pond(s), what was the previous use?	
Have you prepared a plan to dispose of rainfall in excess of evaporation? ☐ Yes ☐ No	
If so, describe disposal plan:	
Is the pond ever dewatered? ☐ Yes ☐ No	
If so, describe the purpose for dewatering and procedures for disposal of wastewater and/or sludge:	
Is(are) the pond(s) aerated? ☐ Yes ☐ No	
Volume of pond(s): gal. Dimensions:	
Is the pond lined (Note if this is a new pond system it must be lined for SOP coverage. Otherwise, you must apply for an Underground Injection Control permit.)? ☐ Yes ☐ No	
Describe the liner material (if soil liner is used give the compaction specifications):	
Is there an emergency overflow structure? ☐ Yes ☐ No	
If so, provide a design drawing of structure.	
Are monitoring wells or lysimeters installed near or around the pond(s)? ☐ Yes ☐ No	
If so, provide location information and describe monitoring protocols (attach additional sheets as necessary):	

Permit Number: SOP-_____

Mobile Wash Operations:	☒ N/A
☐ Individual Operator	☐ Fleet Operation Operator
Indicate the type of equipment, vehicle, or structure to be washed during normal operations (check all that apply): ☐ Cars ☐ Trucks ☐ Trailers (Interior washing of dump-trailers, or tanks, is prohibited.) ☐ Other (describe):	☐ Parking Lot(s): sq. ft. ☐ Windows: sq. ft. ☐ Structures (describe):
Wash operations take place at (check all that apply): ☐ Car sales lot(s) ☐ Private industry lot(s) ☐ County(ies), list:	☐ Public parking lot(s) ☐ Private property(ies) ☐ Statewide
Wash equipment description: ☐ Truck mounted ☐ Rinse tank size(s) (gal.): ☐ Collection tank size(s) (gal.):	☐ Trailer mounted ☐ Mixed tanks size(s) (gal.): Number of tanks per vehicle:
Pressure washer: psi (rated) gpm (rated) ☐ gas powered ☐ electric	
Vacuum system manufacturer/model:	Vacuum system capacity: inches Hg
Describe any other method or system used to contain and collect wastewater:	
List the public sewer system where you are permitted or have written permission to discharge waste wash water (include a copy of the permit or permission letter):	
Are chemicals pre-mixed, prior to arriving at wash location? ☐ Yes ☐ No	

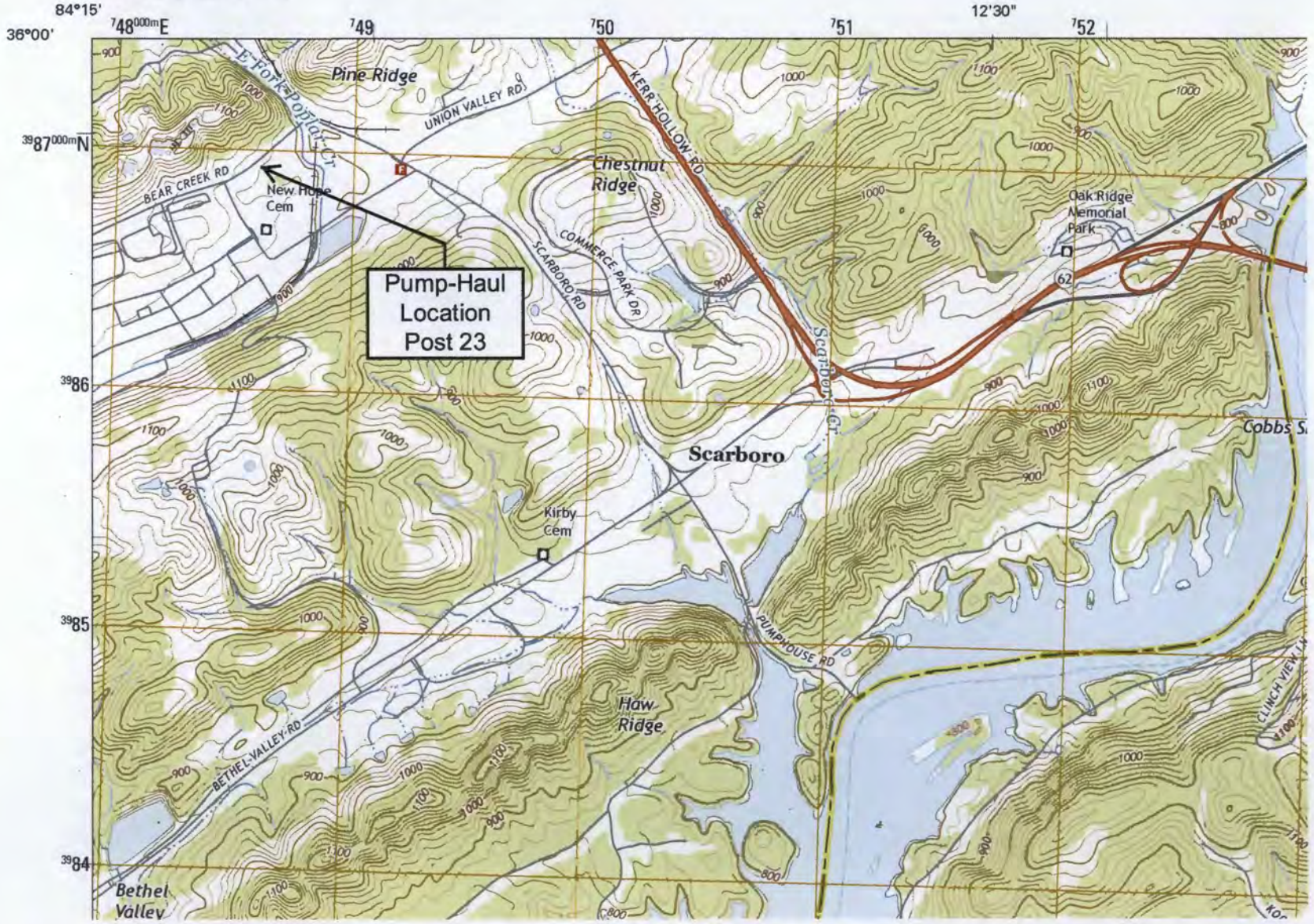
Describe all soaps, detergents, or other chemicals used in the wash operation (attach additional sheets as necessary):

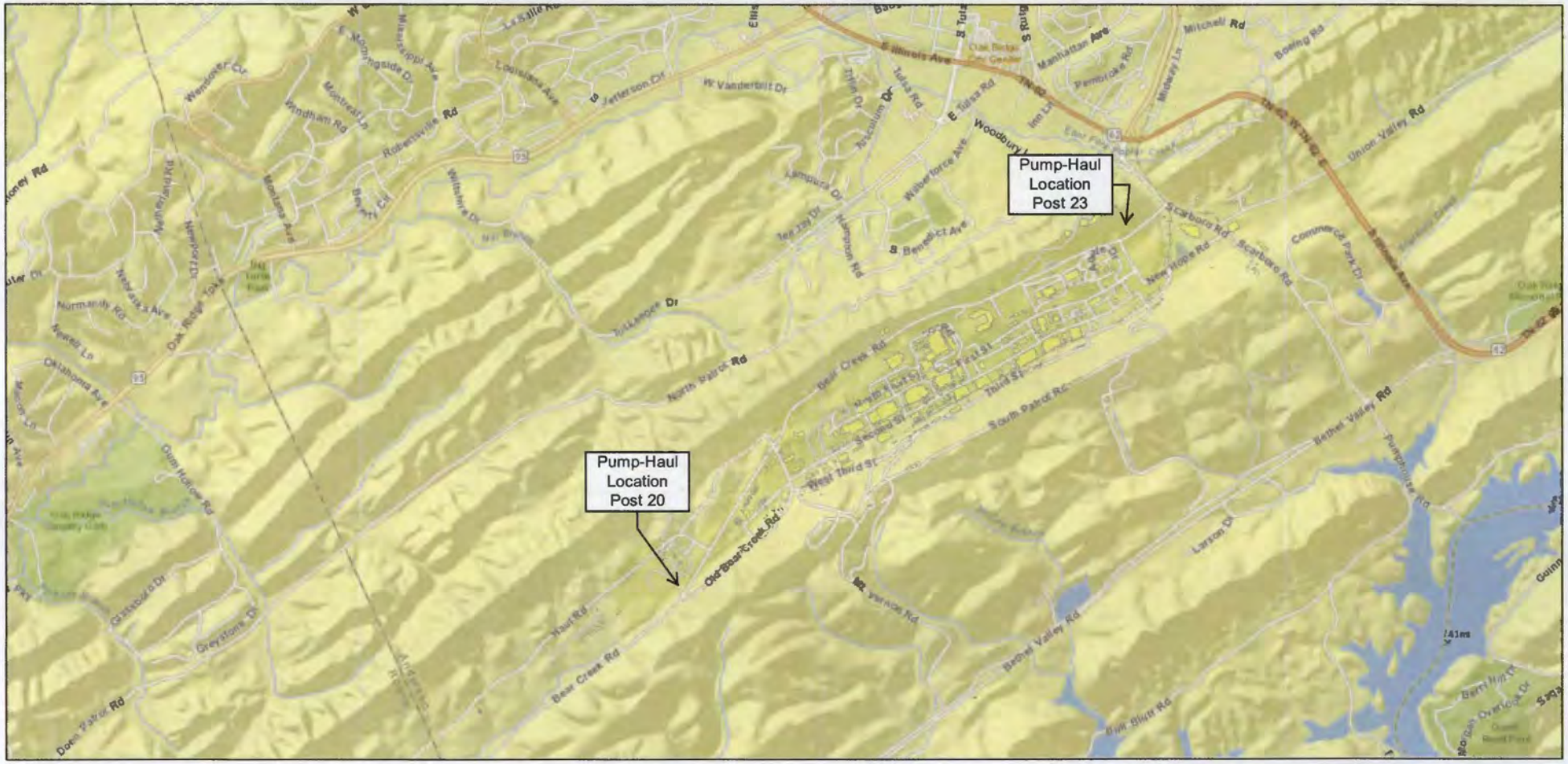
Chemical name:	Manufacturer:	Primary CAS No. or Product No.

Attachment 1
Letter, Easterling to Atchley
Dated: May 9, 2017

USGS
science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY





April 17, 2017

Building Numbers/Labels

Active Building

Post 20 and Post 23 Pump-Haul Locations at Y-12

1:36,112

0 0.425 0.85 1.7 Mi

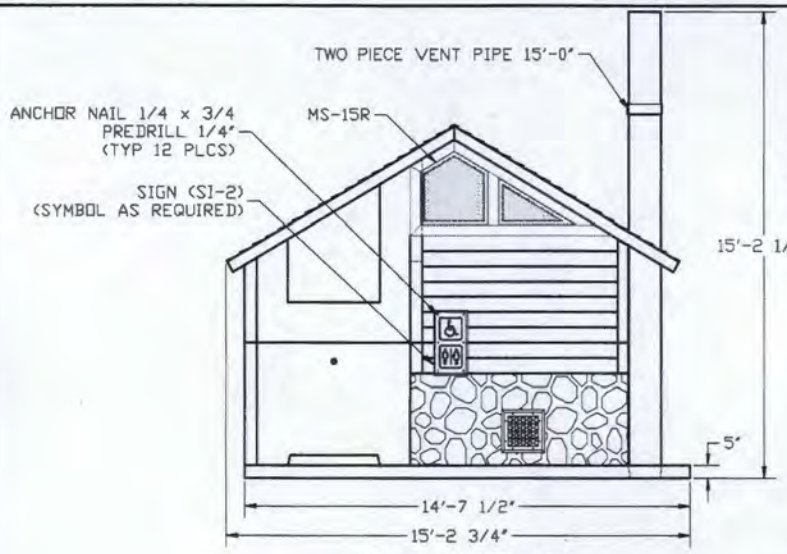
0 0.5 1 2 Km

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

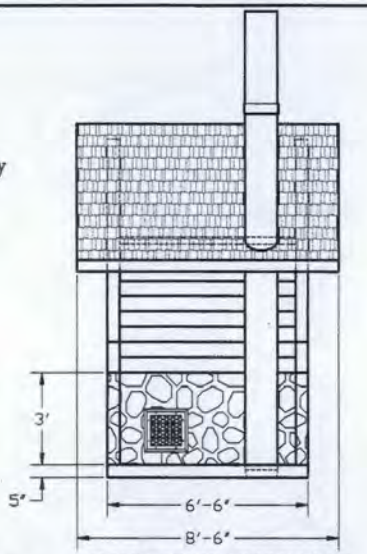
Map produced by YAMS

Attachment 2
Letter, Easterling to Atchley
Dated: May 9, 2017

Attachment 3
Letter, Easterling to Atchley
Dated: May 9, 2017

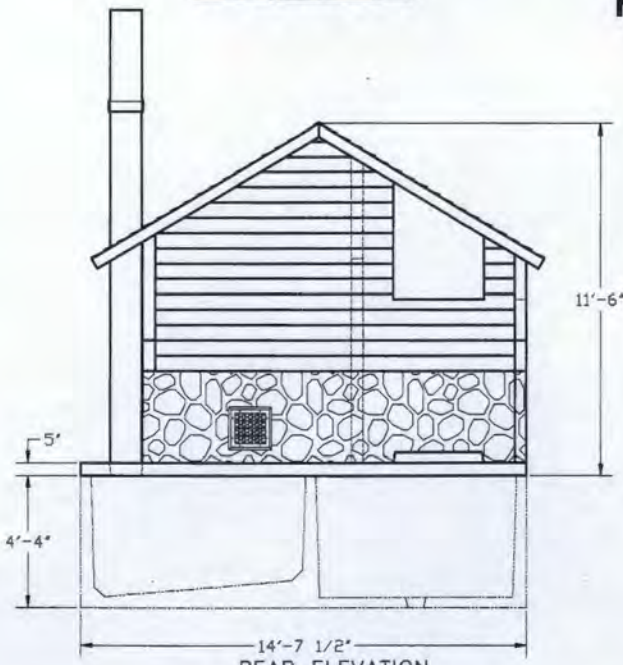


FRONT ELEVATION

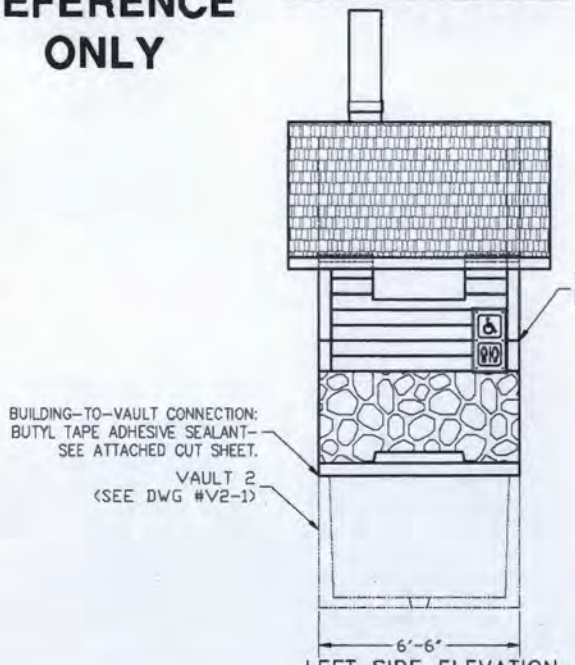


RIGHT SIDE ELEVATION

FOR REFERENCE ONLY



REAR ELEVATION



LEFT SIDE ELEVATION

EMBEDDED MATERIALS

ITEM	QTY	ITEM	QTY
SI-2	2		
VENT PIPE 12'-0"	1		
ANCHOR NAIL 1/4x3/4	12		
MS-15	1		
VENT PIPE 3'-0"	1		

CU. FT. CONC.	SQ. FT. W.W.F.	APPROXIMATE WEIGHT

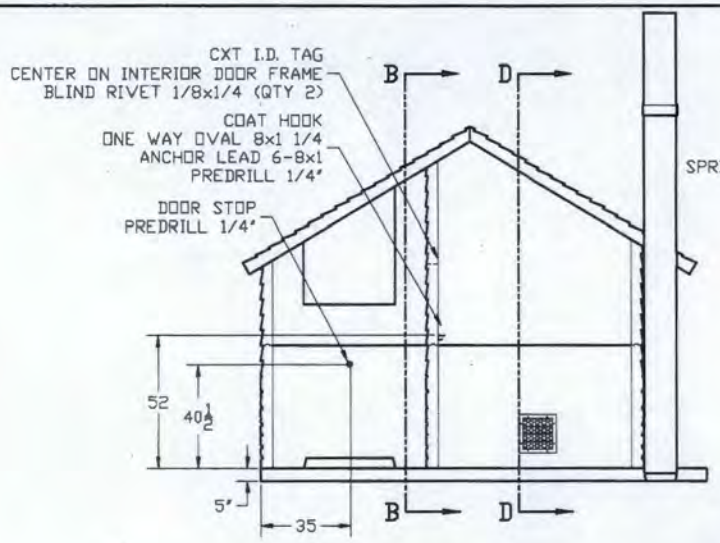
Precast Products

PROJECT TITLE
ROCKY MTN LEFT HAND
CXT STANDARD BUILDING

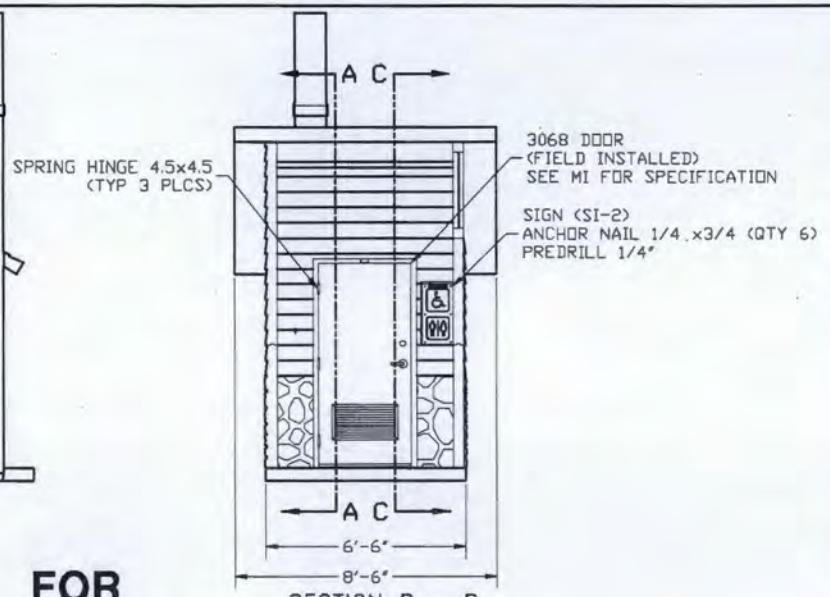
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-19-16
DRAWN		FILE NO.	PD-RM02
CHECKED		PLOT	48

BUILDING ELEVATIONS

DWG NO.	SHEET	REV.
RM-02		

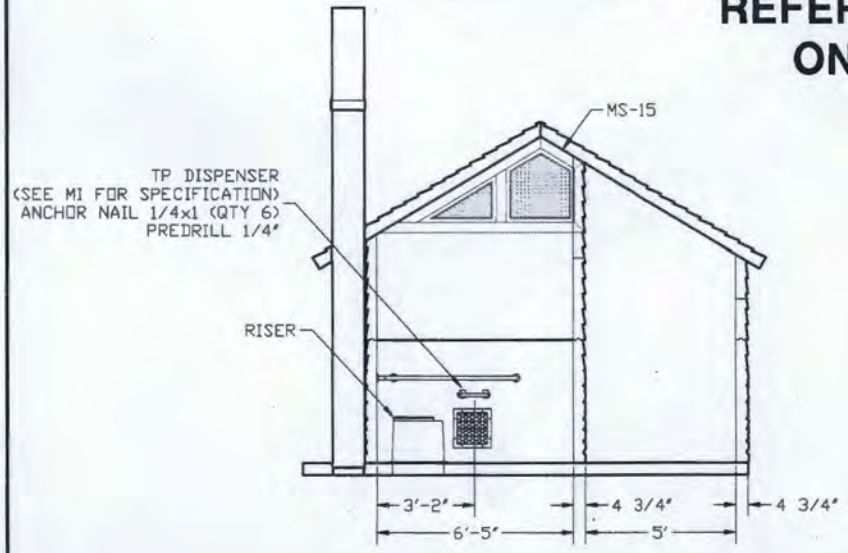


SECTION A – A

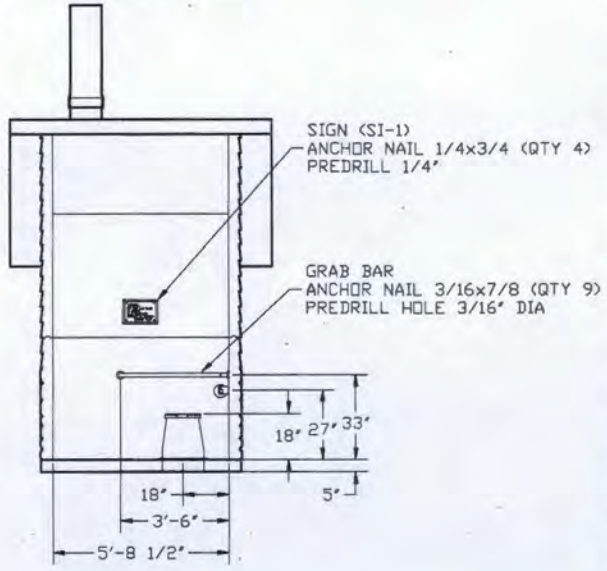


SECTION B – B

FOR REFERENCE ONLY



SECTION C – C



SECTION D – D

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
RISER	1	ONE WAY OVAL 8x1 1/4	2
GRAB BAR	1	ANCHOR LEAD 6-8x1	2
TP DISPENSER	1	BLIND RIVET 1/8x1/4	2
TOILET PAPER ROLL	2-3	3068 DOOR ASSEMBLY	1
COAT HOOK	1	SPRING HINGE 4.5x4.5	3
DOOR STOP	1		
SI-1	1		
SI-2	1		
CXT I.D. TAG	1		
ANCHOR NAIL 1/4x1	6		
ANCHOR NAIL 1/4x3/4	10		
ANCHOR NAIL 3/16x7/8	9		
CU. FT. CONC.	SQ. FT. W.R.F.	APPROXIMATE WEIGHT	

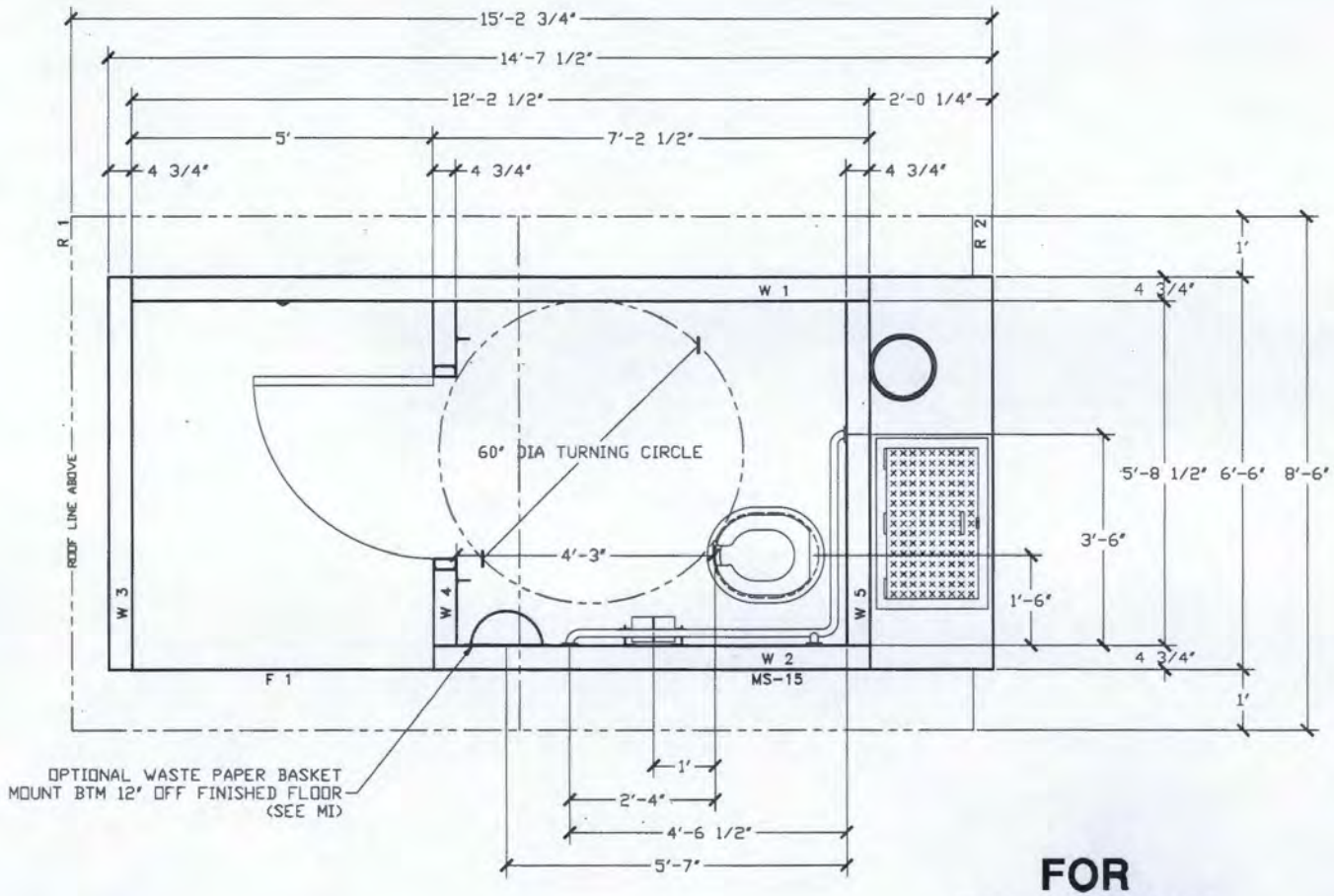
CXT
Precast Products

PROJECT TITLE
ROCKY MTN LEFT HAND
CXT STANDARD BUILDING

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-19-16
DRAWN		FILE NO.	PD-RM03
CHECKED		PLOT	48

INTERIOR ELEVATIONS

DWG NO.	SHEET	REV.
RM-03		



FOR REFERENCE ONLY

CXT

Precast Products

PROJECT TITLE

ROCKY MTN LEFT HAND

CXT STANDARD BUILDING

REV.	DESCRIPTION	APPROVAL	DATE

SCALE	1/2"=1'-0"	DATE	07-19-16
DRAWN		FILE NO.	PD-RM04
CHECKED		PLOT	24

FLOOR PLAN

DWG NO.	SHEET	REV.
RM-04		

CXT INCORPORATED
SPOKANE, WASHINGTON

SPECIFICATIONS FOR ROCKY MOUNTAIN STYLE VAULT TOILET BUILDINGS

1.0 SCOPE

This specification covers the construction and placing of the Rocky Mountain precast concrete vault toilet building as produced by CXT.

2.0 SPECIFICATIONS

ASTM C33	Concrete Aggregates
ASTM C39	Method of Test for Compressive Strength of Cylindrical Concrete Specimens
ASTM C94	Standard Specification for Ready-Mixed Concrete
ASTM C143	Method of Test for Slump of Concrete
ASTM C150	Standard Specification for Portland Cement
ASTM A185	Standard Specification for Steel Welded Wire Reinforcement, Plain, or Concrete
ASTM C192	Method of Making and Curing Test Specimens in the Laboratory
ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C309	Standard Specifications for Liquid Membrane-Forming Compounds for Curing Concrete
ASTM C494	Standard Specification for Chemical Admixtures for Concrete
ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel bars for Concrete Reinforcement
ASTM C618	Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
ASTM C979	Standard Specification for Pigments for Integrally Colored Concrete
ACI 211.1	Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete
ACI 306	Cold Weather Concreting
ACI 318	Building Code Requirements Structural Concrete and Commentary (includes Errata)
PCI MNL 116	Quality Control for Plants and Production of Precast Prestressed Concrete Products

3.0 MANUFACTURER CRITERIA

The manufacturer supplying the requested precast concrete vault facility must meet the following:

A. Manufacturer must be ISO 9001 certified at the time of bid.

B. Manufacturing plant must be PCI certified at the time of bid.

C. Manufacturer must not have defaulted on any contract within the last five years.

D. Manufacturer must provide stamped, engineered drawings prior to acceptance.

E. Manufacturer must be pre-approved prior to bidding.

F. Manufacturer must show four examples of Sweet Smelling Technology designed precast concrete vault toilet facilities produced, installed, and in use as an example of their ability to perform on this contract.

G. Manufacture shall provide a 20 year warranty.

Manufacturers meeting these criteria are:

CXT, Incorporated
Spokane Industrial Park
3808 North Sullivan Road, Building 7
Spokane, WA 99216
Phone: 800-696-5766

4.0 DESIGN CRITERIA

The Rocky Mountain has been designed to meet the following criteria. Calculations and Engineer's stamped drawings are available, for standard buildings, upon request by the customer and are for their sole and specific use only. The design criteria are to ensure that they not only will withstand the forces of nature listed below but will provide protection from vandalism and other unforeseen hazards. Design criteria include provisions of the 2006 IBC Code.

A. Roof Snow Load

1. The Rocky Mountain is designed to withstand a 350 pounds per square foot snow load.

B. Floor Load

1. The Rocky Mountain is designed to withstand 400 pounds per square foot floor load.

C. Wind Load

1. The Rocky Mountain will withstand the effects of 150 mile per hour (3-second gust) wind exposure C.

D. Earthquake

1. The Rocky Mountain will withstand the effects of a seismic design category E earthquake.

E. Additional Design Standards

1. The Rocky Mountain is designed to meet the requirements of the sixty-inch turning radius inside toilet room specified by the American with Disabilities Act Requirements and Uniform Federal Accessibility Standards as of the date of these specification.
2. The Rocky Mountain incorporates all design aspects of Sweet Smelling Technology as outlined by Briar Cook for the U.S. Forest Service.
3. The Rocky Mountain has a one-piece full length and width vault unit to support the building, screen area and snow loads evenly. The Rocky Mountain has a one-piece floor unit to prevent panels that migrate in different direction during periods of freeze/thaw stress.
4. The Rocky Mountain is an all concrete design with a minimum 7/12 roof pitch.
5. The Rocky Mountain shall have a minimum 4 inch wall, 4 ½ inch roof, and 5 inch floor thickness.
6. All wall to floor interior surface seams shall have a minimum 1" radius coving made of high strength grout.

5.0 MATERIALS

A. Concrete - General

The concrete mix design will be designed to ACI 211.1 to produce concrete of good workability.

1. Concrete will contain a minimum of 675 pounds of cementitious material per yard. Cement will be a low alkali type I/II or III conforming to ASTM C-150
2. Coarse aggregates used in the concrete mix design will conform to ASTM C33 with the designated size of coarse aggregate #67.
3. Minimum water/cement ratio will not exceed .45.
4. Air-entraining admixtures will conform to ASTM C260. Water reducing admixtures will conform to ASTM C494, Type A.
5. If Self Compacting Concrete (SCC) is used, it must conform to ASTM C1611

B. Colored Concrete

1. Color additives will conform to ASTM C979. A

12"x12"x1" color sample will be available for customer approval.

2. The following will contain colored concrete:
   a. Toilet building roof panels
   b. Building walls
   c. Screen panels

3. The same brand and type of color additive will be used throughout the manufacturing process.
4. All ingredients will be weighed and the mixing operation will be adequate to ensure uniform dispersion of the color.

C. Cold Weather Concrete

1. Cold weather concrete placement will be in accordance with ACI 306.
2. Concrete will not be placed if ambient temperature is expected to be below 35 degrees F. during the curing period unless heat is readily available to maintain the surface temperature of the concrete at least 45 degrees F.
3. Materials containing frost or lumps of frozen materials will not be used.

D. Hot Weather Concrete

The temperature of the concrete will not exceed 95 degrees F. at the time of placement. When the ambient reaches 90 degrees F. the concrete will be protected with moist covering.

E. Concrete Reinforcement

1. All reinforcing steel will conform to ASTM A615. All welded wire fabric will conform to ASTM A185.
2. All reinforcement will be new, free of dirt, oil, paint, grease, loose mill scale and loose or thick rust when placed.
3. Details not shown of drawings or specified will be to ACI318.
4. Steel reinforcement will be centered in the cross-sectional area of the walls and will have at least 11/4" of cover on the under surface of the floor.
5. The maximum allowable variation for center-center spacing of reinforcing steel will be ½".
6. Full lengths of reinforcing steel will be used when possible. When splices are necessary on long runs, splices will be alternated from opposite sides of the components for adjacent steel bars. Lap bars

#4 or smaller a minimum of 12". Lap bars larger than #4 a minimum of 24 bar diameters.

7. Reinforcing bars will be bent cold. No bars partially embedded in concrete will be field bent unless approved by the customer.

F. Sealers and Curing Compounds

1. Curing compounds, if used, will be colorless, complying with ASTM C309, type I or 1-D.
2. Weatherproofing sealer for exterior of building will be a clear water repellent penetrating sealer.

H. Caulking, Grout, Adhesive and Sealer

1. Caulking service temperatures from -40 to +194 degrees Fahrenheit.
2. Interior and exterior joints will be caulked with a paintable polyurethane sealant.
3. Grout will be a non-shrink type and will be painted to match the color of surrounding concrete as nearly as possible.
4. Cement base coating is formulated with a very fine aggregate system and is a built in bonding agent.

H. Paint

1. All paints and materials will conform to all Federal specifications or be similar "top-of-the-line-components". Paints will not contain more than .06 percent by weight of lead.
2. Type of paints for toilets
   a. Inside concrete surfaces
      I Interior floors will be a chemical resistant urethane. The color will be gray.
      II Interior walls and ceilings will be a modified acrylic, water repellent penetrating stain. The color will be white followed by a clear acrylic anti-graffiti sealer.
   b. Metal surfaces both inside and out
      I DTM ALKYD
   c. Exterior concrete surfaces
      I Exterior slab will be clear sealer
      II Exterior walls and roof will be a water repellent penetrating stain in the same color as the walls or roof followed by a clear acrylic anti-graffiti sealer

I. Grab bars

Grab bars will be 18 gauge, type 304 stainless steel with 1-1/2" clearance. Grab bars will each be able to withstand 300 pound top loading.

J. Toilet Paper Dispenser

Dispenser will be constructed of ¼" thick, type 304 stainless steel. Dispenser will be capable of holding three (3) standard rolls of toilet paper. Toilet paper holder fastening system will be able to withstand 300 pound top loading.

K. Steel Doors

1. Doors will be flush panel type 1-3/4" thick, minimum 16 gauge Galvanized steel, top painted with DTM ALKYD.
2. Door frames will be knockdown or welded type, single rabbet, minimum 16 gauge prime coated steel top painted with DTM ALKYD, width to suit wall thickness. Three (3) rubber door silencers will be provided on latch side of frame.

L. Door Hinges

Door hinges will be 3 per door with dull chrome plating 4-1/2"x4-1/2", adjustable tension, automatic-closing for each door.

M. Lockset

1. Lockset will meet ANSI A156.2 Series 4000, Grade 1 cylindrical lockset for exterior door.
2. Lever handle both inside and out
3. Either handle operates latch unless outside handle is locked by inside push-button.
4. Push-button will automatically release when inside lever handle is turned or door is closed.
5. Emergency slot on exterior so door can be unlocked from the outside with a coin, screwdriver and etc.
6. Inside lever always active.
7. U.S. 26D finish.

N. Dead Bolt

Deadbolt will be a Lori Lock standard model with a double cylinder, 2 ¾" backset, and US26D finish. The cylinder will be a standard 1 1/8" Schlage Mortise cylinder with compression ring and 626 finish.

O. Door Stop

Doorstop will be a dome style stop meeting ANSI 156.16.

P. Double Coat Hook

Coat hook will be 304 stainless steel 16 gauge (1.5mm), formed construction with a satin finish and have 3/16"x 7/8" nail in anchor. Upper hook will extend at least 2-1/2" inches from the wall. Lower hook will extend at least 1-1/4" from the wall.

Q. Door Sweep

Door sweep will be provided at the bottom of door and will be an adjustable brush type.

R. Wall Vent

Vent cover will be 14 gauge 304 stainless steel painted with DTM and anchored into the concrete wall with high strength anti-rust tap con fasteners. The vent louver frame and louvers will be non-vision .1" extruded aluminum jet coat finish. Vent to come with insect screen. Cover to be recessed a minimum ¾" on exterior walls with a 45 degree bevel. Interior to be flush mounted. Wall vent will not protrude from the wall.

S. Signs

1. Signs to have raised pictograms, letters and Braille to meet ADA.
2. Interior to have "No Trash in Vault Sign".
3. All signs inset a minimum of ¾" into wall with 45 degree bevel.
4. All signs to be anchored into concrete with ¼" x ¾" concrete anchor nails.

T. Windows and Vault Cleanout Cover

1. Windows and cleanout cover frames will be constructed from steel.
2. Window glazing will be 3/16" thick translucent pebble finished mar-resistant Lexan.
3. Plate for vault cleanout cover will be ¼" thick diamond plate steel. Lid will be hinged and configured so that it can be locked with a padlock. A gasket will be provided around the entire perimeter of the lid to provide an airtight seal.
4. Windows to have ¾" recess with 45 degree bevel.
5. Windows frames to have vandal resistant fasteners.

U. Vent Stack

Vent stack to be a minimum 12 inches in diameter and a minimum 3 feet higher than the roof peak.

V. Vault Liner

The vault liner shall be made from a single sheet black ABS/750 virgin plastic and can hold up to 1,000 gallons of waste or 15,000 uses per vault. The initial sheet thickness shall be a minimum .375. Final stamped thickness shall be a minimum .060. The vault liner shall have molded dovetail embeds to attach the liner to concrete walls of the vault. The vault liner shall have two J-rails to attach the liner to the bottom of the vault. Vaults with ABS liner shall be warranted against leaks for a period of seven years.

W. Riser

Riser will meet ADA and be a molded one piece HDPE Aquatuf®. Riser will be a smooth surface and have high impact resistance at extremely cold temperatures.

X. Optional Roof Insulation

Ceiling anchored ½" plywood + fiberglass laminate + 2" polyurethane foam. Approximately R-19.

6.0 MANUFACTURE

A. Mixing and Delivery of Concrete

Mixing and delivery of concrete will be in accordance with ASTM C94, section 10.6 through 10.9 with the following additions:

1. Aggregate and water will be adjusted to compensate for differences in the saturated surface-dry condition.

B. Placing and Consolidating Concrete

Concrete will be consolidated by the use of mechanical vibrators. Vibration will be sufficient to accomplish compaction but not to the point that segregation occurs.

C. Finishing Concrete

1. Interior floor and exterior slabs will be floated and troweled.
2. All exterior building walls and exterior screen walls will be any one of the available textures.

3. All exterior surfaces of the roof panels will be cast to simulate any one of the available textures. The underside of the overhang will have a smooth finish.

D. Cracks and Patching

1. Cracks in concrete components which are judged to affect the structural integrity of the building will be rejected.
2. Small holes, depressions and air voids will be patched with a suitable material. The patch will match the finish and texture of the surrounding surface.
3. Patching will not be allowed on defective areas if the structural integrity of the building is affected.

E. Curing and Hardening Concrete

1. Concrete surfaces will not be allowed to dry out from exposure to hot, dry weather during initial curing period.

7.0 FINISHING AND FABRICATION

A. Structural Joints

1. Wall components will be joined together with two welded plate pairs at each joint. Each weld plate will be 6" long and located one pair in the top quarter and one pair in the bottom quarter of the seam. Weld plates will be anchored into the concrete panel and welded together with a continuous weld. The inside seams will be a paintable caulk. The outside seams will use a caulk in a coordinating building color or clear.
2. Walls and roof will be joined with weld plates, 3"x6" at each building corner.
3. The joint between the floor slab and walls will be joined with a grout mixture on the inside, a matching colored caulk on the outside and two weld plates 6" long per wall.

B. Painting/Staining

1. An appropriate curing time will be allowed before paint is applied to concrete.
2. Some applications may require acid etching. A 30% solution of hydrochloric acid will be used, flushed with water and allowed to thoroughly air dry.
3. Painting will not be done outside in cold, frosty or damp weather.
4. Painting will not be done outside in winter unless the temperature is 50 degrees F. or higher.
5. Painting will not be done in dusty areas.

6. All surface voids to be filled prior to painting
7. Schedule of finishes
   a. Inside concrete surfaces
      I Inside floors will be 1 coat of 1-part water based chemical resistant urethane.
      II Interior walls and ceilings will be 2 coats of a modified acrylic, water repellent penetrating stain, followed by 1 coat of clear sealer.
   b. Metal surfaces both inside and out
      I 2 coats of DTM ALKYD
   c. Exterior concrete surfaces
      I Exterior walls will be 2 coats of water repellent penetrating stain in the same color as the walls or roof followed by 1 coat of clear acrylic anti-graffiti sealer.

8.0 TESTING

The following tests will be performed on concrete used in the manufacture of toilets. All testing will be performed in the CXT (PCI certified) laboratories. Testing will only be performed by qualified individuals who have been certified ACI Technician Grade 1. Sampling will be in accordance with ASTM C172.

1. The air content of the concrete will be checked per ASTM C231 on the first batch of concrete. The air content will be in the range of 5.0% +/- 2.0%.
2. The compressive strength of the cylinders will be tested to ASTM C39. We will make one (1) cylinder for release, one (1) for 7-days and one (1) for 28-days. The release must be a minimum strength of 2500 psi, the 7-day must be a minimum of 4500 psi and the 28-day must be a minimum of 5000 psi.
3. A copy of all test reports will be available to the customer as soon as 28-day test results are available.

9.0 INSTALLATION

A. Scope of Work

Work specified under this Section includes excavation, backfill and placement of precast concrete vault toilet.

B. Materials

1. Bedding material to be sand or 3/8" minus crushed or screened aggregate.
2. Caulking between vault and toilet floor to be 1"x1" Butyl tape designed specifically to bond precast concrete to precast concrete.

C. Location

It's the responsibility of the customer to:

1. Provide exact location by stakes or other approved method
2. Provide clear and level site free of overhead and/or underground obstructions
3. Provide access to the site for truck delivery and sufficient area for the crane to install and the equipment to perform the contract requirements.

D. Access to Site

Delivery to site made on normal highway trucks and trailers. If at the time of delivery conditions of access are hazardous or unsuitable for truck and equipment due to weather, physical constraints, roadway width or grade, CXT may require an alternate site with better access provided to ensure a safe and quality installation.

E. Excavation and Elevation

1. Comply with all applicable OSHA Standards for excavation.
2. Excavate for the installation of the toilet vault to a depth that will allow the structure site to be free draining after installation is completed. Allow for a 2" leveling course beneath the toilet vault. Stockpile topsoil in a separate pile at sites.
3. Finish floor elevation will be 4-6 inches above natural grade measured at the front (entrance) of the exterior slab unless otherwise approved by the customer. Ideally, the back of the building should be slightly higher to allow water to freely drain out of the toilet rooms. The customer may specify a finish floor elevation for buildings at some sites. The contractor will install buildings at these sites with the floor elevation within a plus or minus 0.05 feet of the specified floor elevation.
4. No excavation will be left open more than seven days unless otherwise approved by the customer.
5. All excavations left open overnight will be fenced with wire mesh or plastic mesh fence secured to steel posts all around the excavation.
    a. The bottom of the fence will generally follow the contour of the ground.
    b. Maximum spacing of the steel posts will be ten feet.
    c. Minimum height of the fence will be 36 inches.

F. Backfill and Compaction

1. Compact the natural ground at the bottom of the vault excavation with a minimum of three passes with a whacker-type mechanical compactor or equivalent approved by the customer.
2. Install sand or aggregate bedding material for leveling course if needed. Compact leveling course with one pass with a whacker-type mechanical tamper or equivalent approved by the customer. Grade leveling course so there will be no high spots in the middle of the vault bottom. Compact with a second pass with a whacker or approved equivalent tamper.
3. Set vault in place and check for level or appropriate scope. Backfill around structure. Use excavated material for backfill except those rocks larger than six inches in maximum dimension shall not be placed within six inches of the exterior vault walls.
4. Fill, adjacent to the building entry, will have excavated material placed in eight inch loose lifts and compacted with a minimum of two passes with a whacker-type mechanical compactor of equivalent approved by the customer.

G. Finish Grading

1. Spread excess excavated material from the vault around structure. Intended final grade is flush with the top of the front slab. Allow for placement of topsoil to reach that grade. Grade backfill away from structure at maximum slope of five (5) percent unless otherwise approved by the customer.
2. Spread stockpiled topsoil as final layer after rough grading is completed. Areas disturbed by excavation, backfilling and stockpiling of excavated materials will be hand raked to remove exposed rocks over one inch in maximum dimension. Oversized rocks removed from the surface shall be disposed of in a designated area within 200 feet of the site.

I. Vault Toilet Riser and Accessories

1. Polyurethane caulk will be applied between toilet riser flange and concrete floor before the toilet riser is installed.

I. Exhaust Pipe Installation

1. After exhaust pipe is installed, seal around pipe at top and underside of roof with polyurethane caulk. Seal around pipe at top of slab will be accomplished by using polyurethane caulk.

10.0 WARRANTY—PRECAST DIVISION

CXT provides a warranty against defects in material or workmanship for a period of twenty (20) years on all concrete components. The warranty is valid only when concrete is used within the specified loadings. Furthermore, said warranty includes only the related material necessary for the construction and fabrication of said concrete components. All other non-concrete components will carry a one (1) year warranty. CXT warrants that all goods sold pursuant hereto will, when delivered, conform to specifications set forth above. Goods shall be deemed accepted and meeting specifications unless notice identifying the nature of any non-conformity is provided to CXT in writing within the specified warranty. CXT, at its option, will repair or replace the goods or issue credit for the customer provided CXT is first given the opportunity to inspect such goods. It is specifically understood that CXT's obligation hereunder is for credit, repair or replacement only, F.O.B. CXT's manufacturing plants, and does not include shipping, handling, installation or other incidental or consequential costs unless otherwise agreed to in writing by CXT.

This warranty shall not apply to:

1. Any goods which have been repaired or altered without CXT's express written consent, in such a way as in the reasonable judgment of CXT, to adversely affect the stability or reliability thereof;
2. To any goods which have been subject to misuse, negligence, acts of God or accidents or
3. To any goods which have not been installed to manufacturer's specifications and guidelines, improperly maintained, or used outside of the specifications for which such goods were designed.

11.0 DISCLAIMER OF OTHER WARRANTIES

The warranty set forth above is in lieu of all other warranties, express or implied. All other warranties are hereby disclaimed. CXT makes no other warranty, express or implied, including, without limitation, no warranty of merchantability of fitness for a particular purpose or use.

12.0 LIMITATION OF REMEDIES

In the event of any breach of any obligation hereunder, breach of any warranty regarding the goods or any negligent act or omission or any party, the parties shall otherwise have all rights and remedies available at law; however, IN NO EVENT SHALL CXT BE SUBJECT TO OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Attachment 4
Letter, Easterling to Atchley
Dated: May 9, 2017

CNS consolidated nuclear security, llc

Consolidated Nuclear Security,LLC
Acting under contract DE-NA0001942
With the U.S. Department of Energy
http://www.y12.doe.gov/business/procurement

Basic Ordering Agreement
4100000294

Section A - Basic Ordering Agreement Form		
a. Agreement Number:	2. Solicitation Number:	3. Type of Agreement : BASIC ORDERING AGREEMENT
4a. Subcontract Administrator: Denise Bales		4b. Y-12 Reference:
4c. Email Address:		4d. Telephone: 4e. Fax:
5. Issued By: CONSOLIDATED NUCLEAR SECURITY, LLC P.O. BOX 2009 OAK RIDGE, TN 37831-8501		6. Submit Invoices To: Consolidated Nuclear Security,LLC Accounts Payable P. O. Box 2009 Oak Ridge, TN 37831-8265
7. Name and Address of Seller: 225286 CARSON CREST LLC DBA TNT PORTABLE TOILETS P.O. Box 406 OLIVER SPRINGS, TN 37840-0406		8. Ship To: CONSOLIDATED NUCLEAR SECURITY, LLC Y-12 RECEIVING 115 UNION VALLEY ROAD OAK RIDGE, TN 37830-8045 Show subcontract number on all packages, B/L and if required, invoices

9. TABLE OF CONTENTS - Schedule

(X)	SEC.	Description	(X)	SEC.	Description
x	A	Basic Ordering Agreement Form	x	F	Administrative Information
x	B	Supplies or services and prices/costs	x	G	Clauses
x	C	Specifications / SOW / Summary of Work	x	H	List of Attachments
x	D	Delivery, Shipping, Packaging, Marking			
x	E	Performance Period and Payment			

10. Brief Description of Supplies or Services being acquired: PORTABLE TOILET RENTAL & SERVICING

11. Period of Performance: 08/01/2016 - 09/30/2017

12. Ceiling amount of Agreement:

13. Seller's Agreement.	14. Award.
Seller agrees to furnish and deliver the items or perform services to the extent stated in this document for the consideration stated in Section B of the Schedule. The rights and obligations of the parties to this Agreement are subject to and governed by this document and any documents attached or incorporated by reference.	Consolidated Nuclear Security,LLC ("Company") agrees to award this Agreement to Seller. The rights and obligations of the parties to this Agreement are subject to and governed by this document and any documents attached or incorporated by reference.
( ) Seller is required to sign and return a copy of this document. (Checked if applicable)	Consolidated Nuclear Security,LLC
A. Signature of person authorized to sign for Seller	A. Signature of person authorized to sign Consolidated Nuclear Security,LLC
B. Name of signer	B. Name of signer
C. Title of signer	C. Title of signer Subcontract Administrator
D. Date	D. Date 07/28/2016

Attachment 5
Letter, Easterling to
Atchley
Dated: May 9, 2017

KNOXVILLE UTILITIES BOARD
COMMERCIAL WASTEWATER DISPOSAL PERMIT

PERMIT NUMBER:	**K-081D**
ID #	**381**
PIN #	**2234**
ISSUE DATE:	**July 15, 2016**
EXPIRATION DATE:	**June 30, 2017**
VEHICLE DESCRIPTION:	**1997 Chevy – 1,700 gallons**
VEHICLE LICENSE NO:	**TN H446101**
ISSUED TO:	**CarsonCrest, LLC – DBA TNT Portable Toilets**
MAILING ADDRESS:	**P. O. Box 406** **Oliver Springs, TN 37840**
APPROVED BY:	**KUB Regulatory Compliance** DGR

Knoxville Utilities Board

October 2, 2015

Ms. Edna Jean Carson
TNT Portable Toilets (CarsonCrest, LLC)
P.O. Box 406
Oliver Springs, TN 37840

Re: Permission to Discharge Wastewater

Dear Ms. Carson:

This letter is to confirm that TNT Portable Toilets (CarsonCrest, LLC) is permitted to transport domestic septage waste to the Kuwahee Wastewater Treatment Plant Hauled Waste Facility located at 2015 Neyland Drive, Knoxville, TN 37916.

All other types of waste including process and commercial wastes must be pre-approved by KUB prior to them being brought to Kuwahee for discharge. KUB must evaluate and determine if these wastes (other than domestic septage waste) can be discharged to Kuwahee without creating any treatment and/or compliance issues. Grease waste is strictly prohibited from being discharged at Kuwahee.

Please review the enclosed Waste Hauler Program Requirements for additional information. Waste haulers are required to comply with the enclosed Waste Hauler Program requirements. Please read them and ensure your company adheres to them. Failure to do so can result in a suspension of your company's ability to access and discharge at the Kuwahee Hauled Waste Facility.

Please contact KUB at (865) 524-2911 if you have any questions.

Sincerely,

Brian Beaty

Brian Beaty
Pretreatment Program Coordinator

BB:kc

Encls: Permit
Wastehauler Program Requirements
Instructions for Completing Manifest
Site Layout and Traffic Plan
Approved Grease Waste Hauler Agreement

Attachment 6
Letter, Easterling to
Atchley
Dated: May 9, 2017

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

PERMIT FOR SEPTIC TANK PUMPING CONTRACTOR

PERMIT NUMBER: **290**

Carson Crest LLC dba TNT Portable Toilets
5135 Harriman Highway
Oliver Springs, TN 37840

IS HEREBY GRANTED PERMISSION TO OPERATE

By The Tennessee Department of Environment And Conservation In Accordance With The Provision Of The Regulations To Govern Subsurface Sewage Disposal Systems Rule 0400-48-01 As Authorized By Tennessee Code Annotated 68-221-403(a)(7).

Britton Dotson
Deputy Director

This permit is good until suspended or revoked by the Tennessee Department of Environment and Conservation and automatically becomes invalid on January 1, 2018. This permit is not transferable or assignable.

CN-0766 (Rev.12-06) RDA 2318

Attachment 7
Letter, S. D. Easterling to M. Atchley
Dated: May 9, 2017

State Operation Permit Application

Post 23 Pump and Haul

Consolidated Nuclear Security, LLC

Note 1:

The deteriorated sewer line nearest the proposed location of the pump and haul facility will be isolated from the Y-12 National Security Complex (Y-12) sanitary sewer system prior to installation of the pump and haul facility. This segment of the Y-12 sewer system, which most recently has served only a single bathroom, has been identified as a source of Inflow and Infiltration to the Y-12 sanitary sewer system which discharges to the City of Oak Ridge sewer system. The estimated 4,300 feet of sewer line that will be isolated includes approximately 2,500 feet of 15-inch vitrified clay pipe - some of which is decades old. Upon completion of the project to isolate and abandon this estimated 4,300 feet of deteriorated sewer line, the nearest available viable sewer line to Post 23 will be approximately 2,000 feet away. The City of Oak Ridge has identified the Y-12 sewer system as a system in need of refurbishment to reduce Inflow and Infiltration into the City of Oak Ridge POTW.

Additionally, the current single bathroom configuration complicates security scheduling at the posts. Installation of the new restroom facilities would not require unnecessary movement of security personnel in order to access the restroom facility.