

**CLOSURE PLAN  
OPPD NEBRASKA CITY GENERATING STATION  
FOSSIL FUEL COMBUSTION ASH DISPOSAL AREA**

**NC1 ASH DISPOSAL AREA**

**Prepared for:**

**OMAHA PUBLIC POWER DISTRICT  
NEBRASKA CITY GENERATING STATION  
OTOE COUNTY, NEBRASKA**

**REVISED: February 2026**

**OPPD Nebraska City Station  
NC1 Ash Disposal Area  
Closure Plan**

**Revision Log**

This Closure Plan may be revised from time to time when procedures are changed. Because revisions to this document can be made on a periodic basis, document control is necessary. The most recent version of this Closure Plan is required to be posted on the CCR website. The revision log below will be updated every time the plan is amended.

<b>Revision No.</b>	<b>Revision Date</b>	<b>Revised Sections</b>	<b>Originator</b>	<b>Notes</b>
0	December 2015	NA	HDR	Per CCR Rule – Separated State Closure & Post-Closure Plan
1	February 2016	Section 1.7	HDR	Revised language for request on time extension for closure per State comments.
2	February 2026	Section 1.2	OPPD	Updated email address, phone number, & mailing address

### Professional Engineer Certification

"I hereby certify that this Closure Plan for the NC1 Ash Disposal Area at the Omaha Public Power District Nebraska City Station meets the requirements of the Coal Combustion Residual Rule 40 CFR 257.102(b). I am a duly licensed Professional Engineer under the laws of the State of Nebraska."

Print Name: Lori J. Calub

Signature: Lori J. Calub

Date: 2-19-2016

License #: E-9881

My license renewal date is December 31, 2017.



**Professional Engineer Certification Statement:**

I hereby certify that the amendments to this Closure Plan, dated February 2026, were prepared in accordance with the requirements of 40 CFR § 257.104 and have been developed in accordance with recognized and generally accepted good engineering practices.

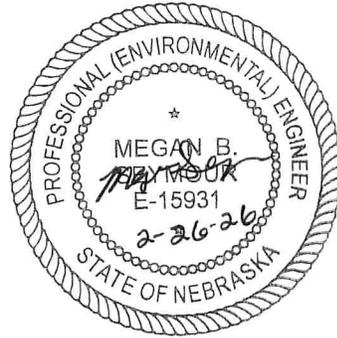
**Name:** Megan B Seymour

**Title:** Professional Engineer

**License No.:** E-15931

**Signature:** Megan B Seymour

**Date:** 2-26-2026



My license renewal date is December 31, 2026 .

**CLOSURE PLAN  
NC1 ASH DISPOSAL AREA**

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## **Section 1.0 Site Identification**

### **1.1 Introduction**

On April 17, 2015 the U.S. Environmental Protection Agency (EPA) published the final rule for the regulation and management of coal combustion residuals (CCR) under the Resource Conservation and Recovery Act (RCRA). The rule – effective on October 19, 2015 – applies to electric utilities and independent power producers that fall within NAICS code 221112, and the facility produces or stores CCR materials in impoundments or landfills. This regulation applies to Omaha Public Power District’s (OPPD’s) Nebraska City Generating Station.

OPPD has a two-unit (Unit 1 and Unit 2) fossil fuel-fired generating plant at the Nebraska City Station (Station) southeast of Nebraska City, Nebraska. This Station has two existing CCR landfills that are permitted under the current NDEQ Title 132 regulations for fossil fuel combustion ash disposal area (the NC1 Ash Disposal Area and NC2 Ash Disposal Area). The NC1 Ash Disposal Area is an unlined CCR landfill of approximately 52 acres that has historically received CCR for disposal and is permitted with the State of Nebraska. NC1 Ash Disposal Area will continue to receive CCR for disposal both before and after October 19, 2015.

This Closure Plan, prepared in accordance with Nebraska Department of Environmental Quality (NDEQ) Title 132, Chapter 4 and updated to comply with the federal CCR rule requirements, provides a description of the final cover system, closure activities, schedules, and features incorporated into the closure of the NC1 Ash Disposal Area. This Closure Plan must be amended whenever there is a change in the operation of the CCR landfill that would substantially affect the written closure plan or before or after closure activities have commenced, unanticipated events necessitate a revision of the written closure plan. OPPD will not implement modifications to the design or operations of the NC1 Ash Disposal Area that would result in modifications to this Closure Plan without prior approval from NDEQ.

### **1.2 Facility Identification**

Facility: NC1 Ash Disposal Area

Location: Station property covers portions of Sections 30 and 31, Township 8 North, Range 15 East, and Sections 25 and 36, Township 8 North, Range 14 East in Otoe County, Nebraska, containing 1,600 acres more or less. The NC1 Ash Disposal Area is approximately 52 acres in Section 36 T8N, Range 14 East. The Station property is approximately 5.5 miles southeast of Nebraska City, Nebraska, along the west shore of the Missouri River.

Owner Contact Address: Omaha Public Power District  
Sustainability & Environmental Affairs  
1919 Aksarben Drive  
Omaha, Nebraska 68106

NDEQ Permit No.: NE0054712

### **1.3 Maximum Inventory of CCR**

CCR disposal in the NC1 Ash Disposal Area encompasses approximately 52 acres. The final design contours, shown in Drawing 4 (Permit – Appendix I), provide for a maximum inventory of CCR of approximately 3,300,000 cubic yards based on an average pre-disposal area elevation of 915. CCR airspace capacity is included in the Supplemental Calculations (Permit – Appendix P). As of the October 14, 2015 topographic survey, approximately 1,056,400 cubic yards of airspace remain for CCR disposal; this excludes the final cover system. Therefore, the estimated volume of CCR currently in-place is approximately 2,243,600 cubic yards.

### **1.4 Largest Area Requiring Final Cover**

The Phase 1 side slope closure project in 2015 has installed final cover over approximately 13 acres of NC1 Ash Disposal Area side slope from elevation 940 downward to toe of slope. Therefore, the largest area ever requiring final cover will be approximately 39 acres (remaining sideslope surface areas of approximately 9.2 acres plus the final top surface area of approximately 29.8 acres).

### **1.5 Site Life**

For site life calculations, 100 percent of the CCR produced from Unit 2 is assumed to be disposed in the NC1 Ash Disposal Area. Starting in year 2016, 100 percent of the fly ash and 75 percent bottom ash generated from Unit 1 are assumed to be disposed annually. Approximately 25 percent of the bottom ash from Unit 1 is assumed to be recovered for beneficial use. Based on compaction of the disposed CCR to 97 percent of maximum dry density and the placement of CCR from both Units 1 and 2, the NC1 Ash Disposal Area life expectancy is projected to be approximately 3 years, to near the end of year 2018. Site life calculations and phasing are contained in the Operational Plan (Permit – Appendix A). The actual disposal area remaining life is dependent upon Nebraska City Station operations, amount of CCR directed to NC2 Ash Disposal Area Cells 2 and 3 (when liner construction complete), amount of CCR marketed for beneficial uses, and viability of bottom ash markets.

### **1.6 Notifications**

The NC1 Ash Disposal Area will be used for the disposal of CCR only from OPPD's Nebraska City Station. There will be no other users of the facility to be notified at the final closure.

OPPD will provide NDEQ formal written notice of its intent to close the NC1 Ash Disposal Area at least 180 days prior to date of final receipt of CCR in accordance with NDEQ Title 132 Chapter 4 005.04. OPPD will provide NDEQ notice of phased closure construction activities at least 30 days prior to start of construction, including the following:

- Projected date of the last receipt of waste (for final closure)
- Projected date of initiation of phased or final closure
- Proposed construction schedule
- Date of installation of final cover system

The NDEQ also requires notification of the actual date of initiation of final closure and the actual date of completion of installation of the final cover system.

In accordance with the CCR rule requirements, the following closure-related notifications will be provided to the Director of NDEQ:

- Notification that Closure Plan is available and posted to the CCR website, and any amendment thereof
- Notification of intent to close, including certification by qualified professional engineer for the design of the final cover system
- Notification of completion of closure, including certification by qualified professional engineer
- Notification that deed notation has been recorded

## **1.7 Schedule of Activities**

Within 30 days after the last receipt of CCR for disposal, the closure plan must be implemented. Closure activities will be completed in accordance with the closure plan within 6 months after closure date, depending on timing of the construction season or an extension has been received from NDEQ. The schedule for completing all activities necessary to satisfy the closure criteria in the CCR rule 40 CFR §257.102 and NDEQ Title 132 includes the following anticipated key activities and milestones, along with estimated timeframes to complete each step. OPPD anticipates that the time required to complete final closure will exceed the timeframes specified in Title 132 and the CCR rule. Site specific information, factors and considerations are presented in Items #6 through #16 below. At the time of final closure, all of the conditions of NDEQ Title 132 Chapter 4 and 40 CFR §257.102(f)(2) will be completed to request an extension for closure for NDEQ approval.

- 1) Notification of intent to close (NDEQ Title 132) – 180 days prior to final receipt of CCR
- 2) Higher a consultant or design engineer, identify final closure design features and final cover system materials, survey current conditions of CCR landfill and develop bid documents – estimate 4-5 months
- 3) Acquire off-site borrow source(s) for cover materials – estimate 2-3 months (may be concurrent with development of bid documents)
- 4) Bidding project and selecting construction contractor – estimate 3 months
- 5) Notice of closure construction activities (NDEQ Title 132) – at least 30 days prior to start of construction
- 6) Re-survey after last receipt of CCR – estimate 1-2 weeks
- 7) Adjust design if necessary – estimate 1-2 weeks
- 8) Notification of intent to close (CCR rule) – no later than date of initiating closure
- 9) Commence closure – no later than 30 days after the date of final receipt of CCR
  - Depending upon time of year when the final receipt of CCR occurs and weather conditions, the initiation of closure activities could be delayed
  - The results of the re-survey and possible design adjustments can also delay start of closure activities
- 10) Establish temporary erosion controls – estimate < 1 week

- 11) Reshaping CCR side slopes and top surface, where necessary, to meet permitted grades and address any irregularities – up to 2 months or more possible, unless started prior to last receipt of CCR
- 12) Install the final cover infiltration layer – estimate 3-4 months (approximately 120,000 CY of clay soil or more from off-site borrow source for largest area requiring final cover), unless an alternative final cover design is approved
- 13) Install the erosion layer – estimate 1 month (approximately 38,000 CY topsoil/ amendment), unless an alternative final cover design is approved
- 14) Construct terraces, berms and letdown structures – estimate 1-2 months
- 15) Complete final vegetation (seeding, fertilizer and mulching) – estimate < 1 month
- 16) Complete closure – within 6 months of commencing closure activities (per CCR rule and NDEQ Title 132)
  - The time required to complete closure activities for the NC1 Ash Disposal Area are anticipated to require longer than the specified 6 months.
  - Factors contributing to the requested time extension include:
    - Last receipt of CCR is currently projected to occur in late fall of 2018. With the winter season approaching, construction of the final cover system cannot be completed within 6 months.
    - Potential re-shaping and/or adjustments to the design that may be necessary depending upon the survey completed after last receipt of CCR.
    - The largest area ever requiring final cover is 39 acres; the quantity of soils required to be imported from off-site borrow sources is significant and will require time for excavation, haul and placement (placement of soil infiltration layer requires compaction to  $1 \times 10^{-5}$  cm/sec in lifts).
    - Timing and establishing final vegetation.
  - Weather conditions may also contribute to further delays in construction.
- 17) Notification of completion of closure (CCR rule) – within 30 days of completion
- 18) Submit CQA Construction Documentation Report – concurrent with Notification of Completion of Closure
- 19) Deed notation – following closure
- 20) Notification that deed notation has been recorded (CCR rule) – within 30 days of recording
- 21) Notification and copy of deed notation (NDEQ Title 132) – following deed notation

Final closure activities for NC1 Ash Disposal Area are anticipated to be completed in year 2019 if last receipt of CCR occurs in late 2018 as currently projected. Final closure may occur in year 2020 or 2021 depending upon when the final receipt of CCR actually occurs, timing of construction season, and weather impacts. The post-closure plan will be implemented immediately after closure is complete.

## **1.8 Final Closure Certifications and Reports**

OPPD will prepare, directly or through a contract, the documentation of closure in accordance with NDEQ Title 132, Chapter 4. Documentation of closure will include certification by a professional engineer registered in the State of Nebraska verifying that closure has been completed in accordance with this or any subsequently updated Closure Plan. Documentation of closure will also include construction quality assurance documentation for each phased closure submitted to NDEQ.

Certifications required by the federal CCR rule are included with the notifications described under Section 1.6 above.

When the NC1 Ash Disposal Area completes final closure, a survey and plat (prepared by a licensed surveyor in the State of Nebraska and meeting the minimum standards of property boundary surveys) will be submitted to NDEQ. The survey plat will include the name of the property owner as it appears on the property deed, a legal description of the site, description of the CCR accepted, location of the CCR, approximate depth of fill, and location and description of groundwater management systems, which are to be maintained.

### **1.9 Deed Notation**

Pursuant to NDEQ, within 90 days following the NC1 Ash Disposal Area completion of installation of the final cover system for final closure, a notation will be recorded on the deed to the Station property or other instrument that is normally examined during a title search with the Otoe County Registrar of Deeds. A final plat will be filed with the Otoe County Registrar prepared by a registered land surveyor licensed in the State of Nebraska. OPPD will provide documentation of the deed notation to NDEQ to show that such notation has been recorded, and a copy of this record and documentation will be placed in the operating record.

The notation on the deed will in perpetuity notify any potential purchaser of the property that:

- 1) A closed fossil fuel combustion ash disposal area exists on the property (the land has been used as a CCR landfill);
- 2) The type, depth, and location of CCR on the property is identified (as necessary) as well as the existence of any monitoring systems; and
- 3) Its use is restricted under the CCR rule post-closure care requirements of 40 CFR 257.104(d)(1)(iii) and may be restricted under NDEQ Title 132, Chapter 4 to protect the monitoring system or any other components of the containment system.

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## **Section 2.0 Closure Plan**

The purpose of this Closure Plan is to describe the steps necessary to close the NC1 Ash Disposal Area at any point during its active life and identify the final cover system, as required by the CCR rule to minimize the post-closure infiltration of liquids into the CCR, minimize the potential for adverse environmental impact, and minimize the need for further maintenance during the post-closure period. The closure of the NC1 Ash Disposal Area involves site preparation and grading, construction of the final cover system, and if not previously installed, construction of facilities for post-closure monitoring, maintenance, and care. The primary closure activities include adjusting site grades (both top and side slopes) if necessary, installing the final soil cover system with terraces and letdown structures, and installing vegetation. OPPD plans to close the disposal area in phases after areas are filled to final grades and as funds are budgeted. Phase development drawings are included with the NDEQ Title 132 Permit Drawings (Appendix I).

Installation of final cover for the NC1 Ash Disposal Area can begin when a phase reaches final elevation. Phase 1 (side slope closure to elevation 940) has had a 2-foot final soil cover installed in accordance with current NDEQ Title 132 regulations. All future phases will be closed in accordance with this updated Closure Plan and the requirements of the federal CCR rule. The discussion below applies to the closure phases and final closure. Closure activities at the NC1 Ash Disposal Area can include the following components:

- Final cover construction
- Storm water/drainage system
- Groundwater monitoring system
- Access controls
- On-site structures and roadways

The following description of activities is generally applicable to various closure alternatives (phased, premature, and final).

### **2.1 Final Cover System Design**

The federal CCR rule requires the final cover system to meet the requirements in 40 CFR 257.102(d)(3) with a minimum 18-inch infiltration layer and 6-inch erosion layer. The infiltration layer will consist of compacted clay soils. The permeability of the infiltration layer must be less than or equal to the permeability of any bottom liner system or natural subsoils present, or a permeability no greater than  $1 \times 10^{-5}$  cm/sec, whichever is less. The erosion layer will support the cover vegetation. The Permit Drawings (Permit – Appendix I) illustrate the final profile of the landfill capping system and proposed final grades.

#### **2.1.1 Infiltration Layer**

Federal CCR regulations require the infiltration layer to be comprised of a minimum of 18 inches of earthen material that has a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present, or a permeability no greater than  $1 \times 10^{-5}$  cm/sec whichever is less. The NC1 Ash Disposal Area does not have a bottom liner system and the

natural subsoils present consist of alluvial deposits of silty clay, clayey sand, silty sand, and sand. Based on historic subsurface investigations (1975) and boring logs of monitoring wells installed in the immediate vicinity (see Hydrogeologic Investigations Report, Permit – Appendix L), the soils extending from the ground surface up to six feet deep are classified under the Unified Soils Classification System as ML (sandy silt) or SM (silty sand) with coarser grain material below. These soils are anticipated to be more permeable than  $10^{-5}$  cm/sec. As a result, the infiltration layer for the NC1 Ash Disposal Area is anticipated to be constructed to a permeability less than or equal to  $1 \times 10^{-5}$  cm/sec.

The primary purpose of the infiltration layer is to prevent downward movement of moisture into the CCR. Soils for final cover infiltration layer will be obtained from off-site borrow sources. Factors considered in soil selection include: percentage of fines; Plastic Index (based on Atterberg Limits-ASTM D4318); and percent gravel and stones. The infiltration layer construction will include successive horizontal lifts of suitable soils compacted to a minimum percent of Standard Proctor density to be determined with the source testing of soils. Horizontal lifts will not exceed six inches in compacted thickness. The final construction specification will reflect these considerations of soil properties, preparation and compaction.

The sideslopes of the NC1 Ash Disposal Area will be graded to no steeper than 3 horizontal to 1 vertical (3:1). The top surface of the disposal area will be graded and maintained at a minimum 2 percent and maximum 10 percent slope. The slopes and grades are generally designed to provide sheet flow drainage of storm water.

### **2.1.2 Erosion Layer**

Federal CCR regulations require the erosion layer to be comprised of a minimum of 6 inches of earthen material that is capable of sustaining native plant growth. Soils for the final cover erosion layer will be obtained from one or more of the following sources:

- On-site borrow source
- Off-site borrow source
- NC2 clarifier sediment (as soil amendment)

The erosion layer may be further amended with compost and/or fertilizer, when necessary. This erosion layer serves several purposes including: 1) to allow run-off of major storm events while inhibiting erosion; 2) to support vegetation which will not extend into the infiltration layer; 3) to reduce long-term maintenance by supporting diverse species of grasses, which reproduce voluntarily, and are low maintenance; and 4) to encourage evapo-transpiration as a means of controlling liquid migration to the infiltration layer.

Factors to be considered in erosion layer soil selection include agricultural properties (e.g., pH, sodium absorption ratio, nutrient levels [nitrogen, potassium, and phosphate]). The final construction specification will reflect these considerations of soil agricultural properties, discing, treatment, and methods of installation of grasses.

### **2.1.3 Final Cover Erosion Control Features**

The final cover includes slopes, grades, terraces, letdown structures, and diversion berms designed to promote rapid surface water run-off (to minimize infiltration) and without creating excessive erosion.

- Terraces will be constructed of compacted clay soils during final closure as depicted in the Permit Drawings, Sheets C01-04 and C01-06 (Permit – Appendix I). Terraces will be constructed approximately every 20 vertical feet to minimize erosion rills and soil loss. A typical series of terraces is shown on Sheet C01-04 (Permit – Appendix I). Terraces will typically discharge into letdown structures.
- Letdown structures will convey stormwater runoff collected from the terraces and diversion berm to the perimeter drainage channels. Each letdown structure will be constructed of materials which will prevent erosion due to anticipated velocities of runoff during a storm event. A typical letdown structure is depicted in Permit Drawings, Sheets C01-04 and C01-06 (Permit – Appendix I).
- Diversion berms will be constructed near the grade break transition from the shallow slope on top of the CCR landfill to the 3:1 side slope to terminate sheet flow and direct stormwater to the letdown structures. The diversion berm detail is depicted on Sheet C01-06 (Permit – Appendix I).

The combination of soil types and grasses (in addition to slopes, grades, terraces and berms) have been selected to control the rate of erosion such that maximum soil loss does not exceed the excessive erosion rate of 5 tons per acre per year as required by NDEQ. Based on the final closure elevations, contours and structures shown in the Permit Drawings (Permit – Appendix I), the Revised Universal Soil Loss Equation (RUSLE2) predicts first year soil loss for conservation planning under new vegetative growth conditions at 3.5 tons per acre for the NC1 Ash Disposal Area. Under established grass conditions, second year and beyond, the predicted soil loss for conservation planning is 1.6 tons per acre per year (see new calculations in Permit – Appendix P). This is equivalent to a loss of cover thickness of approximately 0.019 inches in the first year and 0.009 inches per year over the remaining post-closure period, using a soil density of 100 pounds per cubic foot and soil loss for conservation planning. This equates to approximately 0.28 inches of total soil loss over a 30-year post-closure period (post-closure period of 30 years required by federal CCR rule). Final cover soil loss (RUSLE2) calculations are included in Appendix P.

### **2.1.4 Cover Vegetation**

The erosion layer will be treated with appropriate soil supplements, if necessary, in preparation for the planting of perennial grasses. Appropriate vegetative cover will be established and maintained as soon as practical after final grading.

The seedbed for initial planting should be tilled with a disc to approximately 3 inches and the soil should be adjusted with a cultipacker before seeding to achieve a firm smooth seedbed or utilize a drill that will compact the soil correctly for prairie grasses.

Permanent seeding will be used to provide a long-term, low maintenance vegetative cover. Based on the Phase 1 cap construction, grassing is anticipated to include a mixture of wheat grass, switchgrass, bluestem, and grama. Seed mixtures historically used and anticipated in the future are included in Table 1, below. Final seed mixture and application rates will be confirmed, and if appropriate, modified for each specific phase of capping.

All permanent seed shall be certified seed that meets published US Department of Agriculture, Federal Seed Act standards and bears an official “Certified Seed” label. Legume seed should be inoculated with the inoculant appropriate for the species.

**Table 1  
Capping System Vegetative Cover**

GRASSES	Pounds of PLS PER ACRE
Canada wildrye-Mandan, Nebraska native	24
Western Wheatgrass-Flintlock, Barton	24
Slender Wheatgrass	18
Indiangrass-Oto, NE-54, Holt	18
Switchgrass-Pathfinder, Blackwell, Trailblazer	10
Big Bluestem-Pawnee, Roundtree, Bonanza	18
Little Bluestem – Aldous, Blaze, Camper, Nebraska native	15
Sideoats grama-Butte, El Reno, Trailway	24
Oats/Wheat (wheat in the fall)	24
Cover Crop (oats or wheat), when used in temporary grassing; 100 PLS rates will be used when used as an exclusive stabilization method.	

PLS = Pure Live Seed

The final construction specifications will require the contractor to sample and analyze the soils used for final cover erosion layer to obtain recommendations on the type and amount of nutrients to add to the cover soil and for the seed application rates. Fertilizer and other soil amendments will be applied at the rate defined by the test recommendations. Fertilizer and other soil amendments shall be incorporated into the top 4 to 6 inches for permanent closure. Mulch products may include Hydro-mulch, peat moss, hay, or straw. Other materials may also be considered. Hydro-mulch shall be applied in accordance with manufacturer’s recommendations. Where hay or straw are utilized they shall be applied at a minimum rate of 4,000 pounds per acre. Hay and straw mulching shall be placed loose and immediately following spreading it will be anchored using a rolling coultter, wheatland packer or similar mulch crimper having wheels with V-shaped edges to force the mulch into the soil surface. Other methods of installation or anchoring may be considered if they can assure that the mulch is applied and anchored in a manner as to remain in place.

### **2.1.5 Construction Quality Assurance**

Construction of the final cover shall be in accordance with requirements of the Construction Quality Assurance (CQA) Plan (Permit – Appendix H). OPPD will submit CQA documentation

including a topographical survey showing final contours and a certification signed by an independent professional engineer registered in the State of Nebraska verifying that closure was completed in accordance with the approved closure plan and in accordance with the CQA Plan.

## **2.2 Erosion Controls**

Permanent erosion control features are described under the final cover system. Run-off will be returned to natural drainage.

For disturbances of more than 1 acre, silt fences or other erosion control measures will be installed, as necessary. Temporary erosion controls will consist of silt fence, filter sox, staked hay bales or other erosion control measures. These will only be utilized on the landfill area or where stormwater is likely to discharge from the disposal area.

## **2.3 Storm Water/Drainage System**

Drainage structures such as ditches, culverts, and discharge structures will have been constructed prior to closure. The final closure includes slopes, grades, terraces, and letdown structures designed to promote rapid surface water run-off (to minimize infiltration) and without creating excessive erosion. Permanent drainage structures and ditches are designed to accommodate a 25-year, 24-hour storm event, as identified in the site drainage calculations (Permit – Appendices O and P).

## **2.4 Leachate Management System**

This is an existing facility that has been operating since 1979; no leachate collection system is present. Compacted ash provides a low permeability barrier to contact water. The in-place CCR and overall capping system significantly reduce infiltration (see Section 3.0 of the Engineering Design Report [Permit – Appendix M] and Supplemental Calculations [Permit – Appendix P]).

## **2.5 Groundwater Monitoring System**

All installed monitoring wells at the time of final closure are anticipated to remain in use for the groundwater level measurements, detection monitoring program, and/or assessment monitoring. The wells are protected with bollards or other protection features from potential vehicular damage. The groundwater monitoring system is described in the Groundwater Sampling and Analysis Plan (Permit – Appendix D).

## **2.6 Access Control**

The Station facilities are surrounded by a combination of barbed wire fence and chain link fence, with a security gate at the entrance. Access onto the Station site is through the gate, either with security personnel during administrative office hours or key card after hours. The power plant is staffed at all times. Unauthorized personnel will not be allowed on-site.

## **2.7 On-Site Structures and Roadways**

Ash silos and other structures may remain at the closure of the NC1 Ash Disposal Area for future CCR operations at an alternative disposal area. Maintenance equipment required during the post-closure period may remain on-site. Plant facility buildings will continue to function for ongoing Station operations.

The final disposal area site configuration will incorporate the roadways to access the groundwater monitoring wells, surface water facilities, and other appropriate areas.