

## CCR REPURPOSING SITE

<b>CLIENT</b>	CONFIDENTIAL
<b>LOCATION</b>	Indiana
<b>VALUE</b>	\$ 30 M
<b>DATE</b>	October 2016 - ongoing
<b>SAFETY</b>	Zero OSHA Recordables



### Coal Combustion Residuals (CCR) Impoundment Repurposing |

NorthStar was contracted to provide the following primary scope of work::

- Repurpose an existing CCR impoundment for new stormwater collection and retention system.
- Dewatering of basin and CCR prior to removal
- Excavation of 600,000 cy of CCR and subgrade, hauling and placement of removed material into an on-site landfill
- Excavation and development of on-site borrow source
- Backfill and compaction of 600,000 cy of borrow materials to establish the features of the designed stormwater retention pond.
- Construction of separation berms between the three proposed cells;
- Installation of liner system and placement of rip rap cover material for the three basins
- Demolition and reconstruction of a drainage ditch that will serve as the influent source to the Settling Basin.



Other activities include, among others:

- Demolition of existing pump structure;
- Construction of new pump structure and chemical feed concrete pads;
- Temporary drainage ditch to route stormwater during construction activities;
- Improvement of access roads and roads along the constructed berms;
- Associated clearing and grubbing; and,
- Seeding and mulching of disturbed areas upon project completion.

