nationalgrid

January 4, 2021

The Honorable Kimberly D. Bose Secretary Federal Energy Regulatory Commission 888 First St., N.E. Washington, D.C. 20426

> Re: National Grid LNG LLC, Docket No. CP16-121-000 Fields Point Liquefaction Project Monthly Status Report for December 2020

Dear Secretary Bose:

On October 17, 2018, the Commission issued the Order Issuing Certificate ("Certificate Order") granting a certificate of public convenience and necessity to National Grid LNG LLC ("National Grid") in the above captioned docket for the Fields Point Liquefaction Project (the "Project"). *National Grid LNG LLC*, 165 FERC ¶ 61,031 (2018). National Grid filed its acceptance of the certificate of public convenience and necessity on October 29, 2018 and the Implementation Plan was filed on November 1, 2018. As required by Environmental Condition 8 of the Certificate Order, National Grid is submitting the Monthly Status Report for the December 2020 reporting period.

Pursuant to Section 388.113 of the Commission's regulations, National Grid requests nonpublic treatment of the CEII documents contained in this submission so marked. The materials marked as "CUI//CEII" concern specific engineering and design information about the proposed liquefaction facilities that is customarily treated by the Commission as critical energy infrastructure information because it could be useful to a person planning an attack on critical infrastructure. The proposed Project once constructed will meet the definition of critical infrastructure in Section 388.113(c)(4) of the Commission's regulations. National Grid requests that the marked CUI//CEII material maintain that designation for the duration of this proceeding or the life of the facility, whichever is later. A form of protective agreement was filed as Exhibit Z-1 to the certificate application and appears at Accession No. 20160401-5169.

If you have any questions about this submission, please contact me at 781-392-6640.

Respectfully submitted,

|s| Patrick A. Chaney

Patrick A. Chaney Lead Project Manager – New England LNG Capital Delivery, Gas – Complex Project Management Patrick.Chaney@nationalgrid.com

cc: Service List

MONTHLY STATUS REPORT FOR DECEMBER 2020

On October 17, 2018, the Commission issued the Order Issuing Certificate ("Certificate Order") issuing a certificate of public convenience and necessity to National Grid LNG LLC ("NGLNG") in Docket No. CP16-121-000 for the Fields Point Liquefaction Project (the "Project"). *National Grid LNG LLC*, 165 FERC ¶ 61,031 (2018). Pursuant to Environmental Condition No. 8 of the Certificate Order, NGLNG provides its monthly status report for the month of December 2020.

Update on Federal Authorizations

As previously reported in the report for December 2018, all required Federal authorizations have been received.

Project Schedule – Construction Status and Work Planned

Work Accomplished in December 2020:

- Training in the Environmental Inspector ("EI") duties occurred nine (9) times this month
- Air monitoring in accordance with the Rhode Island Department of Environmental Management Short-Term Response Action Plan is ongoing and continued during this month.
- Receive and Set:
 - Feed Gas Booster Compressor Air Cooler
 - Regen Gas Air Cooled Heat Exchanger (ACHE) (Stage in Laydown Yard)
- Continued with Pipe placement: N/S Rack, E/W Rack, Compressor Building, E/W N2 sleeper rack
- Finished Major Structural Steel on N/S Rack, E/W Rack, Compressor Building
- Started installation of Cable Tray & Conduit along N/S and E/W Pipe Racks
- Started Pulling Cable in area H
- Minor Concrete activities (Light pole foundations / housekeeping pads)

Work Planned for January 2021:

- Receive and Set:
 - Crossover Box
 - LN2 Vaporizer A & B
 - LN2 Final Line Skid
 - Truck Loading Pump Skid (Stage in Laydown Yard)
 - Hot Oil Equipment
 - 1st, 2nd, 3rd Stage N2 Compressor Air Cooled Heat Exchangers (ACHE)
 - Compander ACHE
- Continue with Pipe Installation: N/S Rack, E/W Rack, Compressor Building, E/W N2 sleeper rack
- Finish punch-listing Structural Steel on N/S Rack, E/W Rack, Compressor Building
- Complete installation of Cable Tray along N/S and E/W Pipe Racks
- Continue Pulling Cable
- Start preassembly of E/W Truss in the Laydown yard

Problems Encountered and/or Instances of Non-Compliance and Corrective Actions

The problems encountered, contractor nonconformance/ deficiency logs, and each instance of noncompliance observed by the EI during this reporting period are shown below along with the corrective and remedial actions taken and the effectiveness of the implemented actions.

Problems and NoncomplianceDateProblem/NoncomplianceRemedial Action TakenDate of Corrective ActionEffectiveness of Corrective Action11/30/2020Crushed stone tracking pad at exit of work zone requires maintenance.Pads roughened.12/04/2020Effective, restored tracking pad.11/30/2020Add crushed stone to roadway to stabilize soilCrushed stone added.12/04/2020Effective, erosion controls restored.11/30/2020Remove loose compost material from filtrexx soxxDebris removed.12/04/2020Effective, erosion controls restored.12/14/2020Silt sack in CB 3 requires cleaning.Silk sack roughened.12/16/2020Effective, restored drainage of storm water.12/14/2020Crushed stone tracking pad at exit of work zone requires maintenance.Pads roughened.12/17/2020Effective, restored tracking pad.12/23/2020Crushed stone tracking pad at exit of work zone requires maintenance.Pads roughened.12/23/2020Effective, restored tracking pad.12/23/2020Filtrexx soxx near tracking requires maintenance.Pads roughened.12/30/2020Effective, restored tracking pad.						
Date	Problem/Noncompliance		Corrective			
11/30/2020	at exit of work zone		12/04/2020	-		
11/30/2020			12/04/2020			
11/30/2020			12/04/2020			
12/14/2020			12/16/2020	drainage of storm		
12/14/2020	at exit of work zone		12/17/2020			
12/23/2020	at exit of work zone		12/23/2020	-		
12/30/2020	Filtrexx soxx near tracking pad needs repairs.	Filtrexx soxx sections replaced	12/30/2020	Effective, restored effectiveness of erosion control.		

		Releases	6	
	Material and Quantity			Corrective Action
Date	Released	Cause	Description	Taken
		None during this tir	ne period.	

Landowner/Resident Complaints

None during this period

Correspondence Received from Other Agencies Concerning Noncompliance

No correspondence was received concerning instances of noncompliance from other federal, state, or local permitting agencies.

Special Inspector's Report

See Attached Register and weekly reports

All site civil work requiring special inspection was, to the best of my knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions.

<u>Yes</u>	No	See discrepancies noted in the attachments
Special Inspector:		/s/ Charles Boisvert
Date:		December 31, 2020

SPECIAL INSPECTOR'S WEEKLY REPORTS

[SUBMITTED AS A SEPARATE FILE]

CUI//CEII CRITICAL ENERGY INFRASTRUCTURE INFORMATION REMOVED PURSUANT TO 18 C.F.R. §388.113

ATTACHMENT

NON-CONFORMANCE REGISTERS

NON-CONFORMANCE REGISTER - For the registration of NCR Reports

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Project	#:	90000130901		Project Name:	Field Point Liquefaction Project Providence, RI				
	OSSQ	Engineering	Procurement	Construction	Quality	Vendor	Material Management	Project Management	Total Issued
Percentage of Total	27%	14%	13%	25%	11%	6%	0%	3%	100%
Count by Discipline	17	9	8	16	7	4	0	2	63
NCR Ref:	Audit Ref:	Issue Date		NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-001	N/A	5/1/2019	Contract section 3 equipment.	.20.6 states the Contractor shall be responsible to store, protect and maintain all	The equipment as noted above shall be fully inspected by the original equipment manufacturer to what ever extent necessary and then submit to Owner and recommended repairs that should be made	11/15/2019	6/22/2020	Vendor	Procurement
SR010-RPT-001A r1	N/A	6/11/2019	Incorrect paint app of the QMS r3	lied on vessels at GCAW was not properly addressed by Kiewit with a NCR per Section 18	UOP has agreed to blast the non-compliant vessels to achieve a SSPC-SP10 surface profile and repaint following the manufacturer's recommended procedure to apply a #14 system IZ/HS/HS paint system	07/31/19	9-30-2020	Vendor	Procurement
SR010-RPT-002	N/A	6/23/2019	Section 12.0 of the superseded	e Kiewit QMS requires all documents that are replaced to be stamped as voided or	Kiewit to follow the Documents Control Procedure 102761-B- DMT-PRO-0001 section 6.3.4 Stamping and Document Notations	11/15/19	6/3/2020	Engineering	Engineering
SR010-RPT-003	N/A	6/23/2019		ested Kiewit to provide (2) RT film packages for audit purposes related to the GCAW se documents were not provided after several requests spanning a (6) week period	National Grid to perform an audit on all RT film at the Vendor's facility	07/31/19	09/27/19	Procurement	Vendor
SR010-RPT-004	N/A	7/1/2019	Kiewit did not follo Micro Pile testing	w their QMS r3 or contract requirements when changing the location of the load cells for the	Kiewit to provide refresher RFI training to field personnel on the RFI process to ensure RFI's are submitted in a timely manner.	09/09/19	09/09/19	Contractor	Construction
SR010-RPT-005	N/A	7/3/2019	Piping specification	ons showed the incorrect NFPA-59A specification. The piping specification showed the 2019 version versus the 2001 version.	Kiewit issued a code revision RFI to NG referencing all piping specifications were revised to remove the NFPA 59A 2019 reference	08/27/19	09/27/19	Engineering	Engineering
SR010-RPT-006	N/A	7/30/2019	materials will be ta QA/QC holding are	cific Procurement Plan 102761-B-QLT-PLN-0002 requires any discrepancies or damaged agged or labeled accordingly and isolated in the warehouse, laydown area or receiving eas pending resolution. Underground piping was received at project site without d the piping was not properly stored or marked as quarantined.	Place the referenced piping material into the specified quarantine area and properly mark as do-not-use	10/21/19	10/21/19	Quality	Quality
SR010-RPT-007	N/A	8/1/2019	Kiewit did not notif with Section 2.23 d	y National Grid for the off-site testing of the Feed Gas Booster Compressor in accordance of the Contract.	Procurement and OSSQ shall review the requirements for notification of off-site testing to ensure National Grid is properly notified in the required time frame.	11/15/19	05/28/20	Procurement	Quality
SR010-RPT-008	N/A	8/2/2019	Incorrect hydro tes NFPA 24.	st pressure and hold time for firewater line. Test was not conducted in accordance with	The firewater spools in question will be retested in the overall firewater system test to be performed on site at a later date. No further action required	09/27/19	09/27/19	Engineering	Engineering

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-009	N/A	8/5/2019	A Master Inspection Test Plan (MITP) was provided to allow National Grid to determine which vendor inspections/meetings that National Grid wanted written notification to attend. National Grid populated this document with the required Hold/Witness points which included a hold point for "Final Inspection Prior to Shipment (first shipment)" (see attached). This inspection was noted as a hold point by the Client and the Client was not notified of the inspection step.	Revisit the requirements for Client notification of vendor testing with all personnel related to this requirement, document the training and provide National Grid with a responsibility matrix to ensure proper notification is achieved on future inspections.	11/15/19	05/29/20	OSSQ	OSSQ
SR010-RPT-010	N/A	8/8/2019	Kiewit is required to provide the off-site vendors with the requirements of the contract between National Grid LNG LLC and Kiewit Power Constructors Co. Section 3.10 Welding Requirements was not conveyed to ABB for off-site construction.	Vendor ABB submitted weld procedures as required	08/08/19	09/27/19	Procurement	Procurement
SR010-RPT-011	N/A	8/8/2019	Section 3.21.23 of the Contract states "the Contractor shall provide a fully functional, integrated, electronic data and document management system". TeamBinder which is the existing Document Control Management system has not proved to be a functional system. This system has shown to be unable to consistently provide access by the Owner to the technical documents for review which are related to this project both for pre-suspension and post suspensions documents. Large data dumps are transmitted without regard to previous review and comments by Owner. Documents have been removed from the obligatory (10) day period prior to period completion. Comments made by the Owner during the document review have not been incorporated into the subsequent document release. The Owner has been subjected to Beta testing of system changes which has proven to be ineffective and confusing to the overall document control procedure.	Provide the Owner wit a functional system that is capable and will permanently correct the discrepancies as noted in section "A" above.	01/15/20	01/15/20	Engineering	Engineering
SR010-RPT-012	N/A	8/14/2019	Section 7.2 Procurement Strategy of the prime Contract requires a Supplier shipment to be inspected by the Contractor to ensure compliance with Project Specifications. The first shipment for the UG piping did not receive a final release shipment	See Addendum "A" attached to the NCR report	05/21/20	05/28/20	OSSQ	Procurement
SR010-RPT-013 R2	N/A	8/20/2019	Prime Contract Attachment 7 requires APCI to comply with NFPA 59A. A data review of the quality documents noted the actual NDE performed was not in compliance with the NFPA 59A requirements. A review of documentation for the Cross over Bridge piping did not reflect this requirement. Revision 1 added the contract requirements noted in Section 3.10 - SOW	box as defined by KIEWIT RFI-000119 resolution dated 2-20-	04/13/20	Open	Vendor	Vendor
SR010-RPT-014r1	N/A	8/20/2019	Prime Contract Section 3.10 Scope of Work requires all procedures for welding of piping, vessels and equipment performed off-site shall be submitted to the Owner for review and approval prior to construction.	Kiewit will comply with the requirements of the Prime Contract	09/27/19	11/15/19	Vendor	Vendor
SR010-RPT-015 R2	N/A	8/20/2019	Prime Contract Attachment 7 requires APCI to comply with NFPA 59A. A data review of the quality documents noted the actual NDE performed was not in compliance with the NFPA 59A requirements. A review of documentation for the Cold Box piping did not reflect this requirement. Revision 1 added the contract requirements noted in Section 3.10 - SOW	Evaluate the correct NDE requirements as required by NFPA- 59A-2001 and contract. Perform the necessary additional NDE as required to meet compliance for the Cold Box fabrication.	04/13/20	6/22/2020	Vendor	Vendor
SR010-RPT-016	N/A	8/27/2019	UOP/GCAW equipment data books were reviewed by National Grid and found to be non-compliant with contract requirements	Kiewit shall review the data books for the equipment as mentioned above and perform the necessary tasks so the data books comply with contractual requirements.	05/27/20	Open	Vendor	Procurement
SR010-RPT-017	N/A	8/27/2019	UOP/GCAW equipment data books were reviewed by National Grid and found to be non-compliant with contract requirements	Kiewit shall review the data books for the equipment as mentioned above and perform the necessary tasks so the data books comply with contractual requirements.	05/28/20	10-6-2020	Vendor	Procurement
SR010-RPT-018	N/A	8/28/2019	Kiewit Site Specific Procurement Plan requires all contracts with risk level of 4 or 5 to conduct kick-off meetings upon execution of the contact.	Kickoff meetings with all suppliers signed up pre-suspension rated as 4 or 5 on the Master ITP have had kickoff meetings pre-suspension and during project re-initiation. An additional Prefab Quality meeting will be held as indicated in MITP	09/27/19	11/15/19	Procurement	Procurement

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-019	N/A	9/23/2019	Points, FAT Test, quality audits and any additional recommended in-process shop inspection. These activities complia	it is to provide an updated and completed Master ITP that olies with the requirement as noted in the Project Specific urement Plan 102761-B-QLT-PLN-002	11/15/19	06/04/20	Procurement	OSSQ
SR010-RPT-020	N/A	10/3/2019	an area that required placement of several feet of fill. National Grid SIR provided guidance to Kiewit on closure of the mw in accordance with RI DEM requirements, prior to placement of the fill material. Kiewit did with RI	it is to notify National Grid SIR with proposal to locate and erly close the ground water monitoring well in accordance RIDEM requirements. The mw closure shall be witnesses approved by the National Grid SIR representatives.	11/15/19	11/15/19	Contractor	Construction
SR010-RPT-021	Civil 102519- 002	11/1/2019	been approved by the Geotechnical Engineer in coordination with the Field Representative? The audit team require	f rolling as described and shown meets the project irements - M. Oakland Kiewit will b e submits a Corrective on with Preventive actions for procedural adherence - COB 2020	04/03/20	6/23/2020	Contractor	Construction
SR010-RPT-022	Civil 102519- 002	11/1/2019	During the course of the Civil Audit #102519-002 performed at site; Checklist Item 3.0 (g) Does the Geogrid meet the requirements as required by Earthwork Specification section 3.12. Documentation showing approval for the Geogrid materials was not provided prior to construction and were subsequently approved by the Geotechnical Engineer on 10/24/2019 which is after the placement of the materials. The audit team was unable to provide documentation supporting approval prior to the start of construction.	eived supporting documentation	01/07/20	01/07/20	Contractor	Construction
SR010-RPT-023		11/4/2019	L9020-A/B N2 storage vessels located at Chart Ind. New Prague, MN. Upon arriving, the (2) vessels of interest were set up to conduct a cold-stretch test in accordance with ASME Section VIII Appendix 44. The	it to provide National Grid proof that a hydro test was lucted as required by ASME VIII Div.1 or have Chart orm a hydro as required. National Grid will be notified as ired to attend the testing of the vessels in question.	11/15/19	7/8/2020	Vendor	OSSQ
SR010-RPT-024		12/21/2019	Section 3.10 of the Prime Contract NUMBER 4400005216 requires Kiewit to submit all welding procedures for Attachn piping, vessels and equipment performed off-site to Owner (National Grid) prior to start of construction. Kiewit Is required to review the welding procedures for project compliance prior to submittal for National Grid review. The welding procedures for IFS's subcontractor, Transend were not submitted to Owner for approval after review by Kiewit.	chment 1 includes the approved WPS	05/20/20	5-21-2020	Contractor	OSSQ

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-025		1/16/2020	The Contract states in, Section 2.23 Inspection and Testing, that Kiewit is to provide the owner in writing no less than (10) Business days, written notice of scheduled dates for the conduct of, and opportunity to witness, the off-site testing. Kiewit allowed IFS/Transend to conduct a hydrotest of the Feed Gas Filter without providing National Grid proper notification of the test	Kiewit to provide documentation for the notification of Witness Points no less than (10) business days to provide National Grid the opportunity to witness off-site testing, For this specific case Kiewit provided an opportunity to National Grid for review of the hydrotest documentation of the Coalescing Filter Tag# D-0200 on 2/13/2020. Report is attached. The Findings documented in the report have been closed and a copy of the Findings Log is included.	05/20/20	5/26/2020	OSSQ	OSSQ
SR010-RPT-026		2/5/2020	Regen Gas Heater LDE-1021A tube bundle was removed for cleaning and Eddy Current testing to evaluate the condition of tubes from improper preservation. The testing was performed by IRIS NDT and the test results are attached. Two tubes were found with minor pit like indications showing a measured wall loss. In addition during the inspection several tubes were found to have been bent which caused contact between adjacent tubes causing a non relevant indication with one tube was only partially scanned due to the bent condition.	Rebuild and replace tube bundle performing all required testing as per the contractual requirements.	05/26/20	6/8/2020	Vendor	OSSQ
SR010-RPT-027		2/5/2020	Regen Gas Heater LDE-1021B tube bundle was removed for cleaning and Eddy Current testing to evaluate the condition of tubes from improper preservation. The testing was performed by IRIS NDT and the test results are attached. Two tubes were found with indications. Open tube was bent within the first foot and could not be inspected and one tube had non-relevant indication due to tube to tube contact. See attached report	Rebuild and replace tube bundle performing all required testing as per the contractual requirements.	05/26/20	6/8/2020	Vendor	OSSQ
SR010-RPT-028		2/27/2020	Kiewit procedure 102761-B-QLT-PRO-0011 Corrective & Preventative Actions states the purpose of said procedure is to establish a continuous improvement process for generating documentation and implementing Corrective and Preventive Actions in accordance with Kiewit's Quality Management System. Section 19.3 of the Kiewit QMS rev 3 states that Corrective or Preventative Action requests can be initiated by the clients or by our employees. National Grid has determined that the number and causes of Non-Compliance Reports (NCR) generated for this project has warranted Corrective Action Reports (CAR's) and has requested on several occasions such reports be generated (see attachment). To date Kiewit has not generated CAR's.	Kiewit will preform CAR's as trends are found . See attached 3 CAR's Kiewit and National Grid had a call between the quality groups and agreed on a path forward.	05/27/20	7/8/2020	Quality	Quality
SR010-RPT-029		2/27/2020	Kiewit document 102761-B-QLT-PRO-0009 Project Quality Audit procedure states this procedure is to verify the overall effectiveness of the quality program along with proper implementation. It will also ensure work is conducted in accordance with customer's quality expectations including contract, code, jurisdiction requirements and Cherne Project Quality Management system. This procedure applies to all Cherne's project locations as well as shop and manufacturing facilities. Section 20.0 of the Quality Management System revision 3 defines the requirements of both internal and external audits which are required to be performed. As of this date, National Grid has not received any audit notifications or audit reports as required Kiewit QMS revision 3. National Grid has conducted several audits on Kiewit as of this date.	Kiewit will updated the Quality Audit Schedule. Kiewit and National Grid quality groups meet via a conference call and agreed the attached audits performed by Kiewit meet the audit requirements. Kiewit will invite National Grid to attend future audits.	04/10/20	6/4/2020	Quality	Quality
SR010-RPT-030		2/27/20	The Contract, Section 3.10 Welding Requirements, requires all procedures for welding of piping, vessels and equipment performed off-site to be submitted to the Owner for review and approval prior to construction. This requirement is also noted in the Contract between Kiewit and Patterson Horth in Sub-contract SC-7200002536 Compressor Building. Nucor, sub-vendor to Patterson Horth has refused to submit the required welding procedures claiming such procedures as company proprietary information.	Require Patterson Horth/Nucor to formally submit welding procedures and quality deliverables through TeamBinder for National Grid review and approval prior to commencing any welding work.	04/22/20	5/29/2020	Procurement	OSSQ

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-031		2/27/2020	<i>Fields Point Project Management of Change</i> Implementation process, dated March 15 th , 2019 define the requirements for Major Changes in Section 3.3 and the requirements for Minor Changes in Section 3.4. Each respective section further provides the steps and processes on how changes are implemented utilizing forms, team reviews, studies and an additional requirement that the MOC is only to be implemented once approval had been received. Kiewit has modified and submitted in large quantity P&ID drawings and classified these drawings as IFC. These drawings depict processes that have been changed, which is in violation of the MOC Implementation Plan. The required MOC documentation and prior approval of the MOC is required as stated in the Implementation Plan.	All Kiewit Project Engineering Staff must attend training on the project MOC procedures which will be conducted by Ryan Terry of PSRG Kiewit agrees to the above disposition 4/1/2020	04/20/20	5/29/2020	Engineering	Engineering
SR010-RPT-032		2/27/2020	Kiewit placed backfill on Duct Bank area 7 using (12") lifts. Earthwork Specification 102761-B-CIV-SPC-0001 REV 01 states in Section 4.15 Compaction Requirements that for Trench's the Backfill shall be placed in 6" Lifts.	Kiewit will remove the non-compliant backfill and replace in 6" lifts for the area of Duct Bank 7 and follow the 102761-B-CIV- 0001 Earthwork Specification going forward.	04/02/20	7/8/2020	Contractor	Construction
SR010-RPT-033		3/3/2020	Kiewit Plain and Reinforced Concrete procedure 102761-B-STR-SPC-0024 rev 1 Section 4.6.2.3 states Form removal shall be in accordance with ACI 301/ACI 301M and the following, which further states certain forms could be removed in (48) hours. ACI 301 Section 2.1.2.1.c requires a submittal of a method for determining concrete strength for formwork removal is in accordance with 2.3.4.2 when a method other than field-cured cylinders is proposed. ACI 347 section 3.7.3.1 states the engineer/architect should specify a minimum strength of the concrete to be attained before removal of forms or shores. Section 3.7.2.3 states because the minimum stripping time is a function of concrete strength, the preferred method of determining stripping time is using tests of job-cured cylinders or concrete in place. An alternative method has not been submitted for approval and forms have been removed before a compressive strength test has been completed and accepted.	Kiewit to submit a plan to National Grid for review and approval that does not require a compressive strength values as a determine factor in form removal or submit a compressive strength value to be met prior to form removal.	6/24/2020	7/8/2020	Engineering	Construction
SR010-RPT-034		3/2/2020	Kiewit QMS rev 3 section 18.3 States "When a nonconforming situation or procedure is detected, the issues is documented and actions are taken to correct or resolve the issue in a timely manner. National Grid has (4) NCR's generated during 2019 without agreed dispositions; (14) NCR's generated during 2019 that are open without closure.	Kiewit will provide National Grid with an updated status for all open NCR's along with a schedule detailing projected dates for open NCR dispositions and closures. Kiewit will make NCR update party of the weekly client meeting with National Grid in order to keep the team focused on closing out the currently issued NCR's as well as any future NCR's issued on the project.	05/26/20	5/28/2020	Quality	Quality
SR010-RPT-035		3/3/2020	National Grid performed an audit on legacy film for the 3886 LD-1000/C Adsorber at the GCAW facility and rejected the Number 4 weld on Nozzle "B" due to chemical stains rendering the film non-compliant with code requirements.	Open pending additional information	05/26/20	7/17/2020	OSSQ	OSSQ
SR010-RPT-036		3/3/2020	Section 2.6 Employees and Key Personnel of the Prime Contract requires Key Personnel to be devoted to the Liquefaction Project for all of the time which is necessary to perform the Work and Contractor shall not remove or replace any of the Key Personnel without the prior written approval of Owner, which approval shall not be unreasonably withheld. Kiewit has on multiple occasions removed and replaced Key Personnel on the Project with new personnel without proper notification and/or approval.	Provide owner with current Organizational Chart that provides names to the positions as noted in Appendix "I", and submit resumes on all Key Personnel that have changed within the last (90) days.	05/29/20	5/29/2020	Project Management	Project Management

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-037		3/10/2020	The Engineering, Procurement and Construction Contract Number 4400005216 provides requirements for the Contractor to submit documents for Client review and approval. These requirements are addressed in the Scope of Work Section 2.25 and further in Appendix "U". The attached Kiewit TRN # 02088 shows (10) Piping Material Specifications that were revised without providing documents to client for review and/or approval. The attached review history shows an example where Piping Specification 102761-B-MEC-SPC-0083 was issued a Studio Session for revision "A & B" but sessions for revisions "00, 01, 02, & 03" were not issued.	Meeting on March 25, 2020, National Grid will expand the table in Section 4.4 of the Scope of Work and List of Deliverables to		5/29/2020	Engineering	Engineering
SR010-RPT-038		3/24/2020	Section 2.25 Design and Engineering Work paragraph (f) of the contract states <u>As Built Drawings and</u> <u>Specifications</u> <i>During construction, Contractor shall keep a relined, marked, up-to-date set of As-Built</i> <i>Drawings and specifications on the Work Site as required under Appendix "U".</i> Kiewit has not maintained a "set" of as-built drawings as required by the statement above for piling and other civil activities	Kiewit will produce a set of "E" size drawings for all past and future construction activities where as-built conditions have been generated. These drawings will be made available to all National Grid personnel anytime construction activities are taking place on site. The drawings set will be updated immediately upon changes or issuance of the IFC construction drawings that effect or change the original approved design or Scope of Work.	04/03/20	6/3/2020	Engineering	Engineering
SR010-RPT-039		3/24/2020	Section 3.3 Engineering Design listed under the Scope of Work states : "Development of up-to-date equipment lists, Drawings, specifiation0s, and requisition schedules. Frequency to be agreed with Owner as appropriate". National Grid has made repeated requests for Kiewit to provide an updated Drawing Index on a weekly basis and this has not happened.	Kiewit shall produce an updated drawing index in an acceptable format for all IFC/IFD/IFI drawings and submit such list to National Grid Engineering by COB on each Friday during design and construction of the LNG Facility.	4/6/2020	6/17/2020	Engineering	Engineering
SR010-RPT-040		3/24/2020	The contract requires Kiewit to develop within (45) days after Full Notice to Proceed (FNTP) a Project Procedure Manual and as the prime purpose of the PPM is to ensure consistent project processes and procedures. National Grid has requested that Kiewit develop a Site Specific Document Control procedure for over (8) months and as of this date the referenced procedure <i>102761-B-DMT-PRO-001 FPLP Document</i> <i>Control Procedure</i> has not fully addressed the Owner's comments as contractually required.	Kiewit shall immediately produce and implement the Client's comments in the referenced Document Control Procedure and submit as IFC to the project.	6/2/2020	6/2/2020	Project Management	Project Management
SR010-RPT-041		3/24/2020	Kiewit performed a closure of the Dry Well next to the Old Propane House without properly notifying National Grid Construction, Environmental and GZA. Procedural steps were provided to Kiewit Construction Manager by National Grid Construction Manager on Friday March 20th, 2020 which outlined the steps and notification requirements for the proposed activity. Kiewit performed the work on Monday March 23rd without notifying the proper personnel as provided by National Grid.	Kiewit to perform a root cause analysis that shall accompany this NCR. The root cause shall be submitted to National Grid for review and approval and a subsequent discussion shall follow. Additionally a Corrective Action shall be generated as this is a recurring event where steps and notification requirements are not followed.	04/01/20	7/8/2020	Project Management	Construction
SR010-RPT-042		4/16/2020	Kiewit OSSQ performed a Final Inspection and Document Review on 4-8-2020 at the Highland Tank facility (Report #200408 Highland Tank). There were multiple findings during this visit which included (1) U-1A form requires correction (2) Multiple X-ray reports were found to be non-compliant; missing IQIs, missing "F" markers, missing acceptance noted on report (3) PMI Testing showed low values on nickel composition (4) Missing NDE testing prior to hydro testing (5) Welder Performance Qualification records were found to have various errors. (5) Welding Procedures were found to have typographical errors on the PQR documents.	Kiewit to perform a root cause analysis that shall accompany this NCR. The root cause shall be submitted to National Grid for review and approval and a subsequent discussion shall follow. Additionally a Corrective Action shall be generated as this is a recurring event where documentation review uncovers multiple findings subsequent to a recent OSSQ Inspection. All items as noted in Section "A" are required to be corrected as required to a compliant status with project and code requirements.	5/21/20	7/22/2020	OSSQ	OSSQ

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-043		4/24/2020	The Contract, Number 4400005216 between National Grid LLC and Kiewit Power Constructors Co. states in section 3.20.6 of the Scope of Work and List of Deliverables the Contractor shall be responsible for providing warehouse and storage facilities both on or off site. Also stated in this section " It shall be the responsibility of the Contractor to store, protect and maintain all equipment and materials in accordance with SOW, the Supplier's preservation requirements and good practice." The final inspection and FAT testing were conducted on 3-5-2020 and National Grid's request for Preservation and Maintenance and inspection records have not been providing which indicates the P&M for the PDC and installed electrical equipment has not been performed in accordance with the manufacturer's requirements.	The equipment as noted above shall be inspected by either National Grid or a 3rd party inspector, suitable to National Grid to what ever extent necessary and then any repairs, if applicable, shall be corrected to National Grid's satisfaction. Kiewit shall immediately provide a P&M procedure which will include the building and installed electrical gear in accordance with the manufacturer's requirements. The P&M procedure shall provide details of how the preservation requirements will be maintained during shipment and during storage on site.	5/21/2020	5/13/2020	Engineering	Engineering
SR010-RPT-044		5/5/2020	The Prime Contract requires Kiewit to provide Client with a copy of any Supply Contract within (10) days after request by Owner. National Grid has requested Kiewit to provide a SDS (Supplier Document Schedule) showing quality deliverables and schedule for the Compressor Building contract. As of this writing, the SDS has not been provided.	Kiewit shall provide National Grid Supplier Document Schedule as requested.	5/21/2020	6/1/2020	Procurement	Procurement
SR010-RPT-045		5/5/2020	The Prime Contract, Vendor Contract and Vendor and Subcontractor Document Control and Expediting Procedure provide requirements for Vendors and Subcontractors to provide documentation deliverables per the Seller's Deliverable Schedule. The submittal process shall use the Vendor Data Module of InEight Document (TeamBinder). Additional requirements also state the type of quality deliverables required for submittal. The QA/QC program requirements are passed on to the second-tier suppliers and that the subcontractor enforces them. Nucor, a subcontractor to Patterson Horth has refused to submit the quality deliverables as so required through InEight for Owner review and approval.	Kiewit shall require NUCOR, as a subcontractor to Patterson Horth, to submit all required quality deliverables through the InEight/TeamBinder system for review and approval by Client.	5/20/20	8-13-2020	Procurement	OSSQ
SR010-RPT-046		6/2/2020	Section 3.10 of the Contract requires all welding procedures to be submitted to Owner for review and approva prior to construction. The Base plates for the PDC column drawing 102761-00-0000-sTR-SF-5806 detail 1 were modified to use a welded embed rod versus the anchor bolt as called out. The fabrication was performed off-site and subsequently installed without Owner approval of welding procedure or welder qualification.	PQR and Welder Certifications for Client review. Kiewit shall	6/2/2020	Open	Procurement	Quality
SR010-RPT-047		6/2/2020	Drawing 102761-B-00-0000-STR-SF-5175 detail 8 shows using Mirafi 180N or equal geotextile fabric. The 3rd lift construction used Mirafi 140N instead of the required 180N. This substitution was not approved by Engineering prior to the placement and is considered non-compliant with the specification.	National Grid is requiring a Corrective Action Report be initiated for this specific occurrence and the CAR shall cover the procurement, receiving and installation of the non- compliant product. The CAR must follow the requirements of 102761-B-QLT-PRO-0011 Corrective and Preventive Action procedure.	6/2/2020	8/18/2020	Contractor	Quality
SR010-RPT-048		6/10/2020	Kiewit procured base plates for the PDC building columns from an outside vendor. The base plates required welding (4) 1" diameter embed rods to the plate in accordance with Kiewit RFI-000161 replacing the previously designed anchor bolts. The welding of the embed rods was performed and installed. A review of the Weld Procedure and Welder Qualification Records provided from the outside vendor showed the welder was qualified for maximum 3/4" thickness in accordance with AWS D1.1 but the overall rod welded was 1" diameter for which was outside the welder's qualified limitations. Kiewit failed to properly review and vet the outside vendor for the work performed.	The base plates as installed are to be removed and properly welded with qualified welders and replaced by a method suitable to National Grid. The repeated failure by Kiewit to follow the contract and/or procedures will require a Corrective Action Report to be generated on this specific instance which will be submitted to NG for review and approval.	7/15/2020	10/15/2020	Contractor	Construction
SR010-RPT-049		6/11/2020	Kiewit's Thermal Control plan dated December 5, 2019 provides specifications and tolerances for mass concrete pour temperatures delta between core and near surface . Section "F" of this specification limits the temperature delta between the core and near concrete surface to a maximum of 35° F during the first 4 days. The pour was placed on 5/28/2020 and the attached data log shows for a period of approximately (8) hours between 5/30/2020 @ 5:08 AM until 5/30/2020 @ 12:08 PM the monitored temperature differential was in excess of 35° F (see attached log).	Further testing and observation found the concrete did not exceed the 185 degrees (F) per the Thermal Control Plan Table 6.2.2.2	7/5/2020	7/17/2020	Contractor	Construction

NCR Ref:	Audit Ref:	Issue Date	NCR Description	Agreed NCR Corrective Action	Date of Agreed Disposition	Date of Closure	Probable Cause	Discipline
SR010-RPT-050		6/15/2020	Hudson Products, subcontractor to Kiewit, submitted their ASME Welding Process Usage Log for National Grid review and the review showed the continuity lacked full traceability to show the welders welded with their qualified process(es) during the previous welding periods as required by ASME Section IX. Hudson is contracted to provide Air Cooled Heat Exchangers and structural steel supports for this product. National Grid will not accept any welders used for the ACHE and/or structural steel fabrication that do not have full traceability of qualifications and welding continuity.	Continuity package to be reviewed prior to hydrotest	7/15/2020	Open	Vendor	OSSQ
SR010-RPT-051		6/16/2020	compressor building structural steel. The review identified (5) Welder Performance Qualification Records(WPQR) that were not signed by a qualified person at the time of welder testing rendering these records as non-compliant and the welders non-certified. AWS D1.1 Structural Welding Code - Steel requires	All welds that were deposited by the above referenced welders are rejected and must be either cut-out and re-welded or replaced with completely new fabricated members. Other alternative corrective methods may be submitted to Client for their approval.	8/14/2020	8/14/2020	Vendor	OSSQ



NCR No.	Description Recommended Corrective Action	Type (Internal / Supplier / Client)	Action By	Vendor	Discipline	Construction Area	Piece of Equipmen Affected	t Disposition	Disposition & Required Actions	Recommended Preventative Actions	Date Issued	ENG Signature Date	Date Disposition Submitted to Client	Rejected	Elevated	Date Dispositior Approved By Client	Proposed Da Closure t Date	ate Submitted to Client for Da Closure	te Closed /	ACTIVE
0001	Concrete Driven Pile DP-13 hit an obstruction and shifted during operation and causing pile to be approximately 2.4744" out of tolerance per specification at 6" Damage to upper concrete driven pile DP-70 during pile driving achietics, admage is just above the Emeca	Kiewit						Use-As-Is	EOR approval for out of tolerance per specification	No action to be taken	5/28/2019	9	6/26/2019	N/A	N/A	6/26/2019		e	3/26/2019 CL	LOSED
0002	Damage to upper concrete driven pile DP-70 driving pile driving activities, dramage is just above the Emeca spice pibler, exercise, resulting in exposed refer and a 2 crack prototing up the south east 10 de 0 the column, extending from the treats. During instatisticn d DP 113 the toor of the pis stated to write, to the vest. Crew attempted to correct the out	Kiewit						Rework or Scrap	EOR to determine action to be taken per specification 102761-B-STR-SP0 0006 section 4.5.4.1.12	C: EOR to notify Quality of resolution	6/6/2019	6/25/2019	8/13/2019	N/A	N/A	8/13/2019		Ę	8/13/2019 CL	LOSED
0003	During installation of DP 113 the toe of the pile stanted to walk to the west. Crew attempted to correct the out of plumbness during driving but could not correct enough to get back in tolerance. As the pile sits now it is 1 .38" nf 4 equating to 2.69% or .08% out of tolerance.	Kiewit						Rework	Rejected piles shall be corrected as directed by the engineer of record.		6/11/2019	6/25/2019	6/26/2019	N/A	N/A	6/26/2019		6	3/26/2019 CL	LOSED
0004	Regeneration Ces Separator LDD-1011 was found to have an incorrect coating applied in accordance w/ 102211-8-5178-SPC-0003. The original coating was applied as Serverin-Williams Head-Fac, H-Temp 1200 Would like to be present at the commencement of painting degree Fahrenheit system. The coating rout to be applied are therein-Williams Mackroopo 640 (Interim.) and Acrolon 218 HS (Finite) 200 degree Fahrenheit system.	Kiewit	OSSQ					Rework	Blast incorrect coaling and recoat with approved coaling system per specification 102761-B-MEC-SPC-0070	Being knowledgeable of specification and verify current drawings before proceeding with any installation and applications of materials.										
0005	Absorber L-1000A was found to have an incorrect coating applied in accordance w102761-B-S1R-SPC- Would like to be present at the commencement of painting system. The coating is sub activities and Serveri-Williams Head-Fex, H-1 Temp 1200 degree Fairement system. The coating is solved be applied as Serveri-William Macatogo 468 (Henri and Accidio 128 HS	Kiewit	OSSQ	UOP				Rework	Blast incorrect coating and recost with approved coating system per specification 102761-B-MEC-SPC-0070	Being knowledgeable of specification and verify current drawings before proceeding with any installation and applications of materials.	5/16/2019	9 6/13/2019 9 6/13/2019	6/14/2019	N/A	N/A	6/14/2019		9/28/2020	7/8/2020 CL	OSED
0006	Finish 200 decree Fater-hell system Finish 200 decree Fater-hell	Kiewit	OSSQ	UOP				Rework	Blast incorrect coating and recost with approved coating system per specification 102761-B-MEC-SPC-0070	Being knowledgeable of specification and verify current drawings before proceeding with any installation and applications of materials.	5/16/2019	6/13/2019	6/14/2019	N/A	N/A	6/14/2019			W30/2020 CL	LOSED 1
0007	the first 200 descent patients advantument of the first 200 descent patients advantument of the first 200 descent patients advantument of the first 200 descent patient at the commencement of painting 2000. The original coarding uses specified as Sherwin-Villiants Head-Files, 11-Time 7 1200 desgree Fairement patient. The coarding loads to be applied on a Sherwin-Villiants Macaropay del (timent) and Arcoina 718	Kiewit	OSSQ	UOP				Rework	Blast incorrect coating and recoat with approved coating system per specification 102761-B-MEC-SPC-0070	Being knowledgeable of specification and verify current drawings before proceeding with any installation and applications of materials.	5/16/2019		6/14/2019	N/A	N/A	6/14/2019			30/2020 CL	IOSED
0008	Parcide Filter LDS - 1010 A was load to have an incorrect coaling applied in accordance w 102761-8-511 Rejected / Does not agree with the disposition BPC-0003. The original coaling was specified as Sherwin Williams Heal PRA: HT-Terp 1000 degree Parlwerkie Hysiker, Becarating will be performed a per 102761-8-511 Rejected / Does not agree with the disposition BPC-0003. The original coaling was specified as Sherwin Williams Heal PRA: HT-Terp 1000 degree Parlwerkie Hysiker, Becarating will be performed a per 102761-8-BEC-3PC-0089 AND Parlwerkie Hysiker, Becarating will be performed as per 102761-8-BEC-3PC-0089 AND Parlwerkie Hysiker, Becarating will be performed as per 102761-8-BEC-3PC-0089 AND Becarating will	Kiewit	ossa	UOP		E	Pretreatment Skid	Rework	Blast incorrect coating and recoat with approved coating system per specification 102761-B-MEC-SPC-0070	Being knowledgeable of specification and verify current drawings before proceeding with any installation and applications of materials.		9 1/29/2020	1/29/2020			1/29/2020				LOSED
0009	Accidence 219 HS (Frield) 2009 degree Fahreheits statem. 00070	Kiewit	OSSQ	UOP		E	Pretreatment Skid	Rework	Blast incorrect coating and recoat with approved coating system per specification 102761-B-MEC-SPC-0070	Being knowledgeable of specification and verify current drawings before proceeding with any installation and applications of materials.	5/22/2019	9 1/29/2020	1/29/2020			1/29/2020	5/15/2020		7/8/2020 CL	LOSED
0010	Failure to meet pressure testing requirements as outlined in specification NFPA 59A 2001 Edition	Kiewit						Rework	Testing plan shall be developed to provide re-testing at Barnhart Hake facility including pressure testing procedure to require 1.25 X MAWP, equipment mobilization manpower and safety plan and PPE to be used. See attached letter and instructions.	To be provided by APCI		5/21/2020	6/18/2019			6/18/2019	6/5/2020	5/29/2020 5	5/29/2020 CL	
0011	Companders K-The equipment maintenance and preservation for the Companders 1CS-V200 as required by Air Products and Chemicals, INC, was not followed and properly documented. Request have been previously made to produce verified documentation that was dodd support program maintenance and preservation activities during the period <i>d</i> January <i>d</i> 2018 through the date of this NCP, Sepelic requirements in accordance with PTA-PAC/Compander Strange Procedure and NCP, Sepelic requirements in accordance with PTA-PAC/Compander Strange Procedure and NCP, Sepelic Preservation Checkita Installation through stain-up CAMD-0177d Ref. CMD-0177b have not been followed and subsequently documented 2108 Ar-200 documents 2008 documents	Kiewit	OSSQ	APCI		в	Cold Box? Compander Skid	Rework	Consultation with equipment manufactures and ourset to determine inspection steps that would identify any potential equipment damage. 1. New preservation procedure is to be submitted for both of -site and on- tide storage encompassing requirements through commissioning. 2. Coanterly preservation inspections of all destified equipment must be performed and report submitted to Konta and National Section 2019.	Follow Written procedures	6/18/2019		2/7/2020			2/12/2020			7/1/2020 CL	USED
0012	The equipment materiance and preservation to the X-131 Hitrogen Respite Compressors as required by Air Products and Chemicals NC, was not followed and properly documented. Request have been previously made to produce verifiable documentation that would support proper maintenance and preservation activities during the period of January of 2018 through the date of this NCR.	Kiewit	ossa	APCI		с	N2 Compressor Skid	Rework	Consultation with equipment manufacturer and owner to determine trapection stops that would identify any potential experiment damages con- trapection stops that would identify any potential experiment damages to a storage encourse stop reproduces that the stops of the storage and the storage encourse of the stops of the stops of the storage and the storage encourses of the stops of the stops of the stops of the storage encourses of the stops of the stops of the stops of the stops of the stop of the stop of the stops of the	Follow Written procedures	6/19/2019	9	2/7/2020			2/12/2020		6/24/2020 6	3/24/2020 CL	LOSED
0013	The equipment maintenance and preservation for Air Coded Heat Exchangers E-2131, E-2141, E-2151, & E- 2155 required by Air Products and Chemicals NC, was not followed and properly documented. Request Invel been previously made to produce vertified becommentation at world support program maintenance and Compander Lube OII CCS-E10 preservation activities during the period or January of 2018 through the date of this NCR	Kiewit	OSSQ	APCI		B F	Compander Air Cooler 1st/2nd/3rd Stage Air Coolers	Rework	Consultation with equipment manufacturer and owner to determine inspection steps that would identify any potential equipment damage. 1. New preservation procedure is to be submitted for both off-sile and on- site storage encompassing requirements through commissioning. 2. Quarterly preservation inspections of all identified equipment must be performed and report submitted to Kewit and National Grid.	Follow Written procedures	6/19/2019	9	2/7/2020			2/12/2020	5/15/2020	6/24/2020	7/1/2020 CL	LOSED
0014	As Klewit was cuting of piles to elevation the first, two or three feet, voids in top of concrete piles were discovered on two separate piles with numbers mentioned in the Reference Documentation above.	Kiewit						Repair	Repair to Standard - Recommend using Sikadur 42, Grout-pak Pt, per manufactures recommendations to fill voids.	Rewit's Concrete Engineer is communicating to Oldcastle (Supplier) to remedy the cause and ensure voids don't occur again. Oldcastle will be doing a training with their staff.	8/27/2019	9/10/2019	9/10/2019	N/A	N/A	9/10/2019		S	9/11/2019 CL	LOSED
0015	Pile initially inspected and there were no cracks. We started driving the top piece and noticed the crack. The crack wert down about 20 and the corner of the pile chipped off 20 down. Once pile chipped we continued driving to grade.	Kiewit						Scrap	Drive another pile within 28" (center to center) in any direction of the pile that cracked.	Unknown. We believe it was a flaw with the concrete that was not visible to the naked eye.	6/27/2019	7/5/2019	7/8/2019	N/A	N/A	7/8/2019			7/8/2019 CL	LOSED
0016	14" Pre-Cast Pile were cut off short by 2 inches to 3 inches out of Tolerance. Specification Cut-off tolerance shall be within 1 inch of the required elevation shown in the contract documents.	Kiewit						Use-As-Is	Propose when performing the back filling and installing the Tensar wall that we do one 12 inch lift, one 9 inch lift and one 6 inch lift this would bring us back to design elevation.	laser level laying out the cut lines.	7/10/2019	9	7/15/2019	N/A	N/A	7/15/2019			9/11/2019 CL	LOSED
0017	Air Content was observed as being 3.3% per the required 4.5%-7.5%. Resulting in failure per the mix design.	Kiewit	Engineering	9				Use-As-Is	Request EOR evaluation and / or approval. Speak with concrete supplier about air content concerns.	truck will be rejected.	9/30/2019	3/19/2020	3/20/2020			7/8/2020		6/22/2020	7/8/2020 CL	LOSED
0018	Air Content was observed as being 4.0% per the required 4.5%-7.5%. Resulting in failure per the mix design.	Kiewit	Engineering	,				Use-As-Is	Request EOR evaluation and / or approval. Speak with concrete supplier about air content concerns.	If air test fails initially, take new sample and re- perform air content test. If test fails for second time, truck will be rejected.	9/30/2019	3/19/2020	3/20/2020			7/29/2020		6/22/2020	7/29/2020 CL	LOSED
0019	On September 17th 2019 a quality document and NDE review was performed at GCAW shop in Humble, TX, Attendes included, Robert Poche, Alex Devine, Robert Johnson, Gene Johnson, and Al Norlega. It was discovered during this review that the violance caematication cension and inclogaption. It moves found to be non-compliant to the mandatory essential virables as per ASME Sec. 'If and ASME Sec. 'I requirements including but not time for, linit, and into mension, Dara Asmer and identification, cere. Reader sheets / Reports were found to not meet minimum requirements as per ASME Sec. 'I	Kiewit	OSSQ	UOP		E	?	Rework to Acceptable Standard	Volumetric examination to be performed in conformance with code and contractual regiments. 1. NDE modeline and operator qualifications must be submitted for review. A NDE procedures and operator qualifications must be submitted for review. All takes place after basting and before recoating of vessel Rewit and National Grid will be in attendance for first operation.	Proper NDE review must be performed by supplier to assure conformance of sub-venidor to code and contractual requirements. OSSQ oversight of proper lim and documentation reviews performed during in- process inspections.	9/30/2019	3 7/22/2020	7/22/2020	NGWP 11/21/2019		7/30/2020		7/29/2020	9/9/2020 CL	LOSED
0020	Fill materials were brought on-site from the PJ Keating quarry, it was discovered after dumping the load the 1 1/2" dense grade material was unapproved and would not meet the standards for FPLP.	Kiewit						Scrap	Kiewit to take another test sample from the stock pile at PJ Keating as well as witness an in-process sieve analysis in conjunction with National Grid's Special Inspector. If material is deemed unsuitable for use the stock piles shall be separated to prevent another delivery of unsuitable fill.	not previously tested and approved from PJ Keating's	10/9/2019	9 1/13/2020	11/23/2019			1/13/2020		1	1/13/2020 CL	LOSED
0021	Craft proceeded cutting 16° concrete driven piles 5571-D-DP-25 & 5571-D-DP-26 without confirming pile cutoff elevations accordingly, resulting in two piles approximately 16° below actual elevation.	Kiewit						Use-As-Is	All pile cutoffs halted until survey marks pile cutoff elevations in front of pil cutting crew and per RFI-000075, attached.	Action to prevent recurrence: Have survey crew marke e each individual pile then lie with green flagging around piling signifying pile cutoff elevations were marked before commencing cutting of pile.	10/15/2019	9 1/8/2020	11/23/2019			1/10/2020			1/10/2020 CL	LOSED
0022	Upon cutling off of the 16° driven concrete piles it was found that the tension connector tubes were not in the correct location within the pile per Dwg 102761-8-00-0000 STR-SF-6021 Rev.3 Gent. Notes 8. has a toterance of + 18°	Kiewit						Use-As-Is	Engineering to provide recommendation and path forward.	The lack of support templates being used during fabrication. Klewit has advised the fabricator of the lindings and advised them of the need for additional support. Klewit will also be preforming a shop visit to ensure the fabricator has addressed the issue.	10/16/2019	9 1/8/2020	1/8/2020			1/16/2020	5/8/2020	5/27/2020 5	(27/2020 c	LOSED
0023	During review of Duct Bank 5, Sections 1, 2, 8, 3 - the underground utility warring tape installed is, 3" wide and approximately 100 toos placed. Per specification: 000019-8-201-997-2001; states in section 3.10, "tape and tapproximately 100 toos placed. The tap (b) tools much be as (b) (b) tools much be as (b) (b) tools much	Kiewit	Engineering	1				Use-As-Is	Discontinue using the currently installed 3' wide utility warning tape and use the required 6' wide tape specified in the 102761-B-CIV-SPC-0001	Ensure all specifications are reviewed and cross referenced as necessary by all involved. Make sure any questions are answered before material is installed.	10/22/2019	9	1/22/2020	1/22/2020		1/23/2020			1/23/2020 CL	LOSED
0024	Material delivered on-site from P.J. Keating was a new material (not existing) which was tested and failed to meet the requirements per specification 102761-B-CIV-SPC-0001 section 3.1	Kiewit						Scrap	Non-conforming material was rejected and returned, Kiewit and National Grids Quality Manager conducted an off-site visit at P.J. Keating to further assess the stockpile of the material.	Deliveries will continue to be monitored and P.J. Keating is to clearly segregate Kiewit's approved stockpile from any other new materials.	10/24/2014	9 1/14/2020	1/14/2020			1/14/2020			1/14/2020 CL	LOSED
0025	Atlas Copco Air Cooled Heat Exchanger was pressure tested to 1.3 instead of the 1.5 required National Grid will be performed at AXH to 1.5 X MAWP. Kiewit and National Grid will be in attendance for testing.	Kiewit			1			Rework	Retest Heat Exchanger to correct Pressure	Verify the supplier follows test requirements	11/1/2010	1/10/2020	1/10/2020			1/14/2020			/14/2020	LOSED



NCR No.	Title Description	Recommended Corrective Action	Type (Internal /	Action Br	Vender	Discipline	Construction	Piece of Equipment	Disposition	Disposition & Required Actions	Recommanded Proventative Antion-		NG Date Disposi Submitte	ion Rejected Floures	ate Disposition Approved By	Proposed I Closure	ate Submitted to Client for	J Data Clar	ACTIVE	NGWP
NCK NO.			Supplier / Client)	Action By	Vendor	Discipline	Area	Affected	Disposition	Disposition & Required Actions	Recommended Preventative Actions	Issued [hature Submitte	d to televated	Client	Date	Closure	Date Closed	ACTIVE	Activity
0026	The Regen Gas Neater was preserved under a N2 purge with positive pressure of 12.15 pulg at the end of tabrication. The purge was physically monitored weeky. However their was no log or record kept of the monitoring. NCR assigned to Taylor Forge	 New preservation proceed/use shall be submitted and approved. Impections will be conducted weekly and documented. Inspection documentation will be submitted monthly. 100% Internal VT will be performed at time of re-work, borescope will be required where applicable. 3.1TP shall be submitted wolf bright forge including VT hold point and fast inspection of vaseable helper shimment 	Kiewit	ossq	UOP		E	Pretreatment Skid		The supplier will maintain a record of inspection starting September 2019. The heater will be internally inspected for condition and documented The inspection will be insured via the hold paint from the ITP.		11/1/2019	11/23/2	119	6/24/2020		6/24/2020	7/1/2020	CLOSED	NO
0027	During concrete testing prior to pouring Duct Bark 5 - Section 4, Feragh Inspector was asked to take the temperature of the concrete and aski, he did not have a thermometer with his testing equipment, Temperature in equipted per Feragh's procedure and AC33 / Tintherd Gur was used to wrigh temperature externally at 58 deg. F, which is not acceptable per ACI 301/ASTM C1064.	Ask EOR to review and accept concrete as-is.	Kiewit	Engineering					Use-As-Is	Fenagh testing agency was unprepared, no checks to verify equipment was on-site, and concrete trucks were not rejected when all testing was not completed.	Action to prevent recurrence: Klewit to Inspect Fenagity's testing equipment prior to each test to verifly all equipment is on-site before testing is performed, regroup the team and discuss stop work authority. Fenagh to review their procedures internally with all technicians.	11/5/2019 3/1	a/2020 3/1/20	10	3/27/2020			3/27/2020	CLOSED	NO
0028	During the calling operation of concrete piles, survey (A-Pilka) reported pile 565-1-07-06 was cu-ted approximately 60 below deviation. For piload Cu-off-167-56 Acadu-11.27, Fileda - Boarn had been being cu-off at approx.131 as the location was below grade, cuts made on the other adjacent piles were preliminary cuts and and find cuts.	Abandon driven pile 5953-L-DP-09 and replace with Micropile(s) per direction of EOR.	Kiewit						Scrap	Pile cut short had been marked by survey, verified cut-off location approximately 8th in the air. Slurry from adjacent pile cutting may have obscured the pile cut off mark.	Using piledriver at motocut finalizing alignment prior to proceeding with cut. Survey will be verifying height same day as cut. No more 'preliminary' cuts, remaining cuts are at final height.	11/9/2019 1/1	0/2020 11/23/2	119	1/21/2020	5/15/2020		3/9/2020	CLOSED	NO
0029	After grouting operations were completed on micropiles 5550-C-MP-08 & 5550-C-MP-28 centerbars being placed ended up learing to an out-of-liderance location horizontally within the casing.	,	Kiewit	Engineering					Use-As-Is	Mer grouting, the contentiar generality extends from the ground surface to the solia at the piles (however, since approximately 25 to 30 fet of casing has been pulled, the casing does not extend to the bottom of the hole, but is held in piles by sink inforcion what is generally considered to hole, but is held in piles by sink inforcion what is generally considered to the hole wall the grout is set and can support it, a temporary pile cap is connected from the directed shifting the temporary pile cap is contection of the temporary cap or after the cap the splaced and the pile is content on the temporary cap or after the cap has placed and the pile is content on the temporary cap or after the cap has placed and the pile is or longer being moritored (use to bottom imped) the casing), the	annular distance between the bar and the casing.	12/2/2019 3/1	3/20/20 3/20/20	20	7/22/2020	5/15/2020		7/24/2020	CLOSED	NO
0030	During driving of concrete piles an obstruction was encountered and forced two piles (5900-D-DP-01 & 5900 D-DP-06) out of tolerance and one (5900-D-DP-01) of the two piles out of plumb.		Kiewit	Engineering						location of the center bar shifted. Disposition and Action to be taken per engineering's recommendation and path forward.	Piles hit an obstruction.	1/8/2020 2/1	3/2020 2/18/20	20	2/27/2020			3/9/2020	CLOSED	NO
0031	D-DP-08) and in biterance and one (5500-DP-01) of the two piles out of plants. During driving of concert piles disturizione were recounted and forced severettem (7) piles (5871-D-DP- 04, 5871-D-DP-08, 5871-D-DP-24, 5871-D-DP-24, 5871-D-DP-24, 5871-D-DP-08, 5871-D- DP-27, 5871-D-DP-28, 5871-D-DP-05, 5971-D-DP-35, 5871-D-DP-08, 5871-D-DP-08, DP-27, 5871-D-DP-48, 5871-D-DP-05, 5971-D-DP-08, 5971-D-DP-08, 5971-D-DP-08, DP-29, 5871-D-DP-48, 5871-D-DP-05, 5871-D-DP-08, 5871-D-DP-08, 5871-D-DP-08, DP-08, 5871-D-DP-48, 5871-D-DP-06, 5871-D-DP-08, 5871-DP-08, 5871, 5871, 5872, 5872, 5872, 5872, 5872, 5872, 5872, 5872, 5872,		Kiewit	Engineering						Disposition and Action to be taken per engineering's recommendation and path forward.	Piles hit an obstruction.	1/8/2020	3/23/20	20	3/27/2020			3/27/2020	CLOSED	NO
0032	5620-F-DP-12; 5620-F-DP-21; 5620-F-DP-24; 5620-F-DP-27; 5620-F-DP-28; & 5620-F-DP-31) out of		Kiewit	Engineering						Disposition and Action to be taken per engineering's recommendation and path forward.	Piles hit an obstruction.	1/8/2020 3/1	8/2020 3/19/20	20	6/16/2020	4/17/2020	4/14/2020	6/16/2020	CLOSED	NO
0033	Uderance. During driving of concrete piles six (6) piles (5620-F-DP-74; 5620-F-DP-24; 5620-F-DP-25; 5620-F-DP-26; 5620-F-DP-28; & 5620-F-DP-28) did not meet the blow count (driving artineria) per 258 embodiment. During driving of concrete piles obstructions were exocutered and forced on (1) pile (5640-F-DP-30) out of	8	Kiewit							Disposition and Action to be taken per engineering's recommendation and path forward.	Piles hit an obstruction.	1/8/2020 1/2			1/21/2020			1/21/2020	CLOSED	40
0034	During driving of concrete piles obstructions were encountered and forced one (1) pile (5840-F-DP-03) out of tolerance. During driving of concrete piles obstructions were encountered and forced five (5) piles (5560-G-DP-01;		Kiewit	Engineering						path forward.	Piles hit an obstruction.	1/8/2020 3/2	3/3030 3/19/20	20	3/27/2020			3/27/2020	CLOSED	4 0
0035	During driving of concrete piles obstructions were encountered and forced five (5) piles (5560-G-DP-01; 5560-G-DP-03; 5560-G-DP-04B; 5560-G-DP-05B; & 5560-G-DP-09;) out of tolerance. During driving of concrete piles obstructions were encountered and forced one (1) pile (5880-10P-03;) out of	P	Kiewit	Engineering						Disposition and Action to be taken per engineering's recommendation and path forward. Disposition and Action to be taken per engineering's recommendation and	Piles hit an obstruction.	1/8/2020 3/1	8/2020 3/19/20	20	6/16/2020	4/17/2020	4/14/2020	6/16/2020	CLOSED	40
0036	During driving or concrete piles obstructions were encountered and forced two (1) pile (5960-1-DP-05) out or tolerance. During driving of concrete piles obstructions were encountered and forced two (2) piles (5962-L-DP-03 &		Kiewit	Engineering						Disposition and Action to be taken per engineering's recommendation and path forward. Disposition and Action to be taken per engineering's recommendation and	Piles hit an obstruction.	1/8/2020 3/2			6/16/2020	4/17/2020	4/14/2020	6/16/2020	CLOSED	10
0037	5952-L-DP-09) out of tolerance. During driving of concrete piles obstructions were encountered and forced two (2) piles (5953-L-DP-19 &		Kiewit	Engineering						path forward. Disposition and Action to be taken per engineering's recommendation and	Piles hit an obstruction.	1/8/2020 2/1			2/27/2020			3/10/2020	CLOSED	10
0038	5953-L-DP-21) out of tolerance. During driving of concrete piles obstructions were encountered and forced one (1) pile (5951-L-DP-14) out of		Kiewit	Engineering						path forward. Disposition and Action to be taken per engineering's recommendation and	Piles hit an obstruction.	1/8/2020 2/1			2/27/2020	4/17/2020	4/14/2020	5/27/2020	CLOSED	,0
0039	tolerance. During driving of concrete piles obstructions were encountered and forced two (2) piles (5870-M-DP-03 &		Kiewit	Engineering						path forward. Disposition and Action to be taken per engineering's recommendation and	Piles hit an obstruction.	1/8/2020 3/2 1/8/2020 2/1			6/8/2020 2/20/2020	4/17/2020	4/14/2020	6/8/2020 2/20/2020		.0
0041	5870-M-0P-09) out of tolerance. Upon cutting off of the 16° driven concrete piles it was found that the tension connector tubes were not in the correct location embedded in the pile, per Dwg. 102781-80-0005 tolerance of +18°		Kiewit							path forward. Engineering to provide recommendation and path forward.	The lack of support templates being used during tabrication. New! has advised the fabrication of the findings and advised them of the need for additional support. Kiewit will also be preforming a shop visit to ensure the fabricator has addressed the issue.		2020 2/18/20		1/16/2020	5/15/2020	5/27/2020	5/27/2020	CLOSED	0 NO
0042	5270-M-MP-03 was drilled an additional 5 feet in depth total (it achieved a tip elevation of approximately- 78.5 feet and the minimum required identition was 70 feet). As scheduled, 25 feet of cading was public feet more than the carrier grang driven for the pipe on Sheet (1207E) 440-0000 STR-57-572-72. The totarance of more than the carrier grang driven for the pipe on Sheet (1207E) 440-0000 STR-57-572-722. The totarance of the carrier grang driven for the carrier of the subsequent carrier grant and additional 5 feet of carrier out (200 bits) was not a readity available option for this pile.	,	Kiewit	Engineering						Started drilling micropile SRPO-MAP-Q3 on 1231113. The piles in Area Market Ma	Following a long weekend/holiday tool-box talks will	1/9/2020 2/6	/2020 2/7/20	20	2/12/2020			3/9/2020	CLOSED	NO
0043	After difficing Marcelie 5073-MMR-07 to 141 depth (007) the spectration was abut down due to a safety isolated (147)27187. Operation was indicated to request 1271875. Contraction on part dawn following a safety isolated (147)27187. Operation was indicated on the same statement of the same spectra in an RFI asking for the path forward and califoration of same day grout requirement. Recommendation per RFI was not followed per the Engineers approved resolution.		Kiewit	Engineering					Use-As-Is	Based on the daily report for Dec.17th and subsequent conversations with for-step personnel, micropie 870-X4-MP-07 was diffield 5 additional feed faither being lifet at depth for 6 days, Agenorizanaty 6.5 feed for and was encountered at the bottom of the casing after diffield, which is in line with here piles installation in this area. The total grout volume for the pile was 127% of the theoretical volume, which is in line with where we would expect it to be. The installation of pile STO-MMP-07 is acceptable.	Action to prevent recurrence: Construction shall not proceed with an issue without some written form of documentation.		1/2020 1/31/20		2/3/2020			2(11/2020		
0044	During the demolition of an existing stab for the propane foundation Duct Bank #5 was impacted with the excavator mounted hammer. Resulting in the concrete from the Duct Bank being damaged and a 4" conduit being checked.	Rewit will demo the concrete around the conduit to expose the conduit which was damaged area will be replaced. Then the concrete for the damaged area of Duct Back ifs will be re-pound.	Kiewit	Construction						Rewit will demo the concrete around the conduit to expose the conduit which was damaged area will be replaced. Then the concrete for the damaged area of Duct Bank #5 will be re-pound.	Cause: Area was not laying out Duct Bank #5 from the as-builts for the crew to have a visual of the edge of the duct bank. Prevention:11 New Ground Disturbance permit for all operations that disturb the ground, #2 Existing and installed utilities will be clearly marked before digging. 45 Permanently installed work will be protected so no damage occurs		7/2020 3/24/20		6/26/2020		6/26/2020	6/26/2020	CLOSED	NO
0045	Micropile 5871-D-MP-02 was found during as-builts to be drilled out of tolerance	Use-As-Is	Kiewit	Construction							moving to 2 spotters to watch rig so we don't push pins and final verification by Superintendent of drill box location before drilling.	4/14/2020 5/1	1/2020 5/11/20	20	5/28/2020	5/15/2020	5/11/2020	6/17/2020	CLOSED	NO
0046	Micropile 5570-B-MP-35 and 5570-B-MP-37 was found during as-builts to be drilled out of tolerance	Use-As-Is	Kiewit	Construction							moving with 2 spotters to watch rig so we don't push pins. Utilizing survey even more often to verify nothing has been moved and if it has it is corrected and final verification by superintendent of drill box before drilling.	4/14/2020 5/1	1/2020 5/11/20	20	5/28/2020	5/15/2020	5/11/2020	6/17/2020	CLOSED	NO
0047	Duct bark foundation 42 (Duct bark 40) was backfilled with structural fill at 67% compressive strength - The guide for form removal , ouring and loading of concrete specifies a compressive strength of 100% before it can be backfill with structural fill material.	RFI-000153 was not thoroughly reviewed prior to directing backfill. RFI- 000153 was approved specifying the use of CLSM to backfill UG foundations at 70%, but did not mention structural backfill.	Kiewit	Construction						Construction to submit a revision to RFI-000153 clarifying that both CLSM and structural backfill may be used to backfill to top of concrete at 70% concrete compressive strength.	Audit of field work packages to ensure all applicable RFIs are included. Field staff and foremen to review all RFIs applicable to their scope of work.	6/3/2020 6/5	/2020 6/5/20	10	6/5/2020		6/5/2020	6/24/2020	CLOSED	NO
0048		Engineer develop a repair procedure, Which includes the removal of unconsolidated material and place back with an approved Grout/ Concrete Product.	Kiewit	Construction						Lack of training on use of external vibrators, hitial plan did not address weight of Embeds, Material receiving process, Clash between anchor bolts and sitting of the PDC not discovered till 4 weeks prior to pour & Order embeds prior to final design.	Training on new tool, Through workplan review, Workplans developed in advance of start of work (goal 8 weeks), RE-Train on Material Receiving process & RFTs to be published to the field workplans audited for RFTs and Current Drawings.	6/3/2020 7/1	/2020 7/1/202	10	7/8/2020		7/8/2020	7/29/2020	CLOSED	NO
0049	Embed Plates called out in RFI-000161 were fabricated by a welder qualified only to 3/4" thickness, and actual welds were 1" thickness.	B	Kiewit	Construction					Use-As-Is	Review for acceptance and use-as-is with after-the fact welder qualification.		6/20/2020 7/1			7/8/2020			10/21/2020		NO
0050	is the area of the sitence access your reveale as site cells were along and and structure fill. There is	Limits of the roadway are to be layed out and verified by survey so that the areas needing structural fill can be clearly marked. Only structural fill material will be placed undereast this roadway section which is in line with the CNI Earthwork. Specification. See 4.12 of the earthwork spec: "Only Structural Fill shall be placed under concertee mat foundations, pile cape, spread locings, vaults, other shallow foundations, and aread areas."	Kiewit	Construction						quarteristication. The limits of the road where not marked out prior to placement of fill materials. Due to the mass quantity of fill needed to bring the area up to finish grade, both undereast the roadway section and the surrounding areas, a bulközer was used to push material and place an approx. It tilt do no-site reusable fill. Since the roadway limits ware not clearly marked, there is concern that on-site reusable fill materials where incorrectly placed beneast the roadway.	Action to prevent recurrence includes the initial layout of areas needing only structural fill prior to the placement of on-site reusable fill.	6/24/2020	6/30/20		7/1/2020		7/9/2020	7/9/2020	CLOSED	NO



l	Title	Description		Type	1	1	-		1		1	1 1	Date	1 1 1				1	
NCR No.	inte		Recommended Corrective Action	(Internal / Supplier / Client)	By Vendor	Discipline	Construction Area	Piece of Equipment Affected	Disposition	Disposition & Required Actions	Recommended Preventative Actions	Date Signatu Date	Pate Disposition Submitted to Client	Rejected Elevated Ap	Disposition Prop proved By Clo Client D	sure to Client f	or Date Close	ACTIVE	NGWP Activity
0051	Cold Box Heat Exchanger Non- Compliance	Cold Box Heat Exchanger. See actual NCR for detailed description.	work	Kiewit OSSQ	APCI					Re-fabricate		6/30/2020 7/8/202	7/20/2020		7/23/2020			OPEP.	NO
0052		Shipment of Material with Open NCR		Kiewit OSSQ	P/H					Structural Steel Rejected and sent off-site		7/20/2020	7/22/2020 7/22/2020			8/5/2020	8/5/2020	CLOSED	NO
0053 R2	Ultrasonic Flowmeter - Material country of origin	Aether Skid Q-Sonic Ultrasonic Flowmeter has pressure retaining components that originate from The People's Republic of China (PRC). This violates Kiewit specification 102761-8-MEC-SPC-0007 (Pressure Component of China (PRC).	move and Replace	Kiewit OSSQ	Aether					Remove and Replace	Kiewit shall amend specification to remove note (2) of appendix 2 and allow PRC sourced materials on a case-by-case. Basis with engineering approval.	7/28/2020 9/9/202		8/21/2020		11/16/	2020	OPEN	NO
0070-R1	Comptec - Booste Compressor - Base Metal Charpy SS	weld metal and heat affected zone for the Booste Compressor in accordance with the Kenul Detailed Design Chreak, ASME BS1 1, the Corrars of the National Carl Vol 40 Poly, Alles Coros din op parton Design Chreak, ASME BS1 1, the Corrars of the National Carl Vol 40 Poly, Alles Coros din op parton Service Welder Procedure Specification; Paragraph - Procedure Datifications; Subarction 1) Al welding procedure qualifications for Austantic Stations Sole poly onStagrangen 1. Three (Ji test specimens ahall be tested from each weldment location, i.e., base metal, weld metal, and heat affected zone."		Kiewit OSSQ	ACC				Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As is.		9/10/2020 9/11/20	0 9/12/2020			12/4/	2020	OPEN	YES
0055	Aluminum WPS in Doc pack used for shipping release			Kiewit OSSQ	APCI					Vendor will allow review @ fabrication facility of the Aluminum WPSs by Kiewit and NG. After acceptable review submit a COC in lieu of actual WPS in the final package.	Communicate all client requirements down to all vendors and sub prior to fabrication	8/12/2020						OPEN	NO
0056 R2	inspection not completed per NGWP	Policy Section 5.3 Welder Qualification c. Responsibilities 2) The Welding Inspector shall be responsible for completion of a Weld Record Inspection Report Attachment B (No actual Attachment B in the contract, assuming to be Attachment 2 Weld Record and Inspection Report Gas Transmission (125 PSIG and	+AS-IS	Kiewit OSSQ	UOP					Verify Final Visual Inspection was performed in accordance with B31.3 and if acceptable Use As is		8/19/2020	8/25/2020				12/9/2020	CLOSED	YES
0057	Chart Industries die not provide proper NDE on the Therma Vaporizer	Chart Industries did not provide proper NDE on the Thermal Vaponzer	-As-Is	Kiewit OSSQ	CHART					Chart to perform additional NDE to meet the required % as required by NGWP (NFPA 59A - 2001		8/19/2020	8/25/2020					OPEN	NO
0058 R1	completed per NGWP	APC) performed fruit visual velid inspection on al joing velids on the Compared Stuit package and the N2 Compressor Stat package, in accordance with the Physical pecifications, CAME B31.3 A. De Contrast, and the National Girl Velid Pacity, APCI did not document velid pinit fi-up and velid not inspection on all velids as documented in the National Girl Velid Pacity, Section 3.5 Velide Tackalisance r. Regromatines (2) The Machine Barton and State Machines, Section 3.5 Velide Tackalisance r. Regromatines (2) The State Alachemer B in the contract, assuming to be Alachemer 2.1 Velid Record and Inspection. Report Dis arised Alachemer B in the contract, assuming to be Machines 1.2 Velid Record and Inspection. Report Dis arised Records and the state of the state inspections. The atternate form must meet the minimum record requirements of API 1104 section 9.	-AS-Is	Kiewit OSSQ	APCI					Use As Is		8/19/2020	8/25/2020				12/9/2020	CLOSED	YES
0059		S. Wor-Cryogenic Control Valve FCV-2400 K. Wor-Cryogenic Control Valve HCV-2316 7. Wor-Cryogenic Control Valve FCV-2315 8. Wor-Cryogenic Control Valve FCV-2315 10. Non-Cryogenic Control Valve FCV-2315	+As-la	Kewit OSSQ	Various				Use-As-Is	Use As is Based on Engineering approval	Rewit shall amend specification to remove note (2) of appendix 2 and allow PRCs sourced materials on a Case-by-case. Basis with engineering approval.	9/8/2020 9/8/202						OPEN	NO
0060	On Off Valves	Paffer Saven has supplied OroOT valves that have components originating from People's Republic of Drina(PRC). This violates Kiewit's specification 102/81-8-MEC-SPC-0007(Pressure Containing Material Sourced from the Pople's Republic of China Specification). Chinese material is not permitted for hazardous system per note 2 of appendix 2.	÷-As-is	Kiewit OSSQ	Various				Use-As-Is	Use As Is Based on Engineering approval	Kiewit shall amend specification to remove note (2) of appendix 2 and allow PRC sourced materials on a case-by-case. Basis with engineering approval.	9/8/2020 9/8/202	0					OPEN	NO
0061	Non Cryo Manual Valves	Surbet Supply has supplied Non-Opy valves that have components originating from People's Republic of OrinaPROF, This Values Keiwet's specification 102761-8-MEC-SC-OCOMPressure Commany Material Sourced from the People's Republic of China Specification). Chinese material is not permitted for hazardous system per note 2 of appendix 2.	÷A≎-S	Kiewit OSSQ	Various				Use-As-Is	Use As is Based on Engineering approval	Kiewit shall amend specification to remove note (2) of appendix 2 and allow PRC sourced materials on a case-by-case. Basis with engineering approval.	9/8/2020 9/8/202						OPEN	NO
0062	Compressor Bldg. NUCOR Rafter Welds	per weld symbols. On piece# RXB080, out of 20 welds inspected, 10 were found to be undersized. Pieces taken as representative of entire shipment of steel	or confirmed calculations as fabricated.	Kiewit OSSQ	Patterson Horth				Use-As-Is	Use As is Based on Engineering approval		9/9/2020 10/13/20	20 11/6/2020			11/6/202	0 11/12/2020	CLOSED	NO
0063-R1	Inspection	ACC performer find visual well impection on all paping wells on the Biostar Compressor in accordance with the Project specialization. ANM BEI 3.1. the Contrast, and the National Gird Well Policy, ACC data document well pilot file up and well not impection on all wells a described in the National Gird Well Policy, ACC data (NAM BEI 3.1. the Contrast, and the National Gird Well Policy, ACC data (NAM BEI 3.1. the Contrast, and the National Gird Well Policy, ACC data (NAM BEI 3.1. the Contrast, assuming to be Attachment 8.1. Well Reaction and Impection Report Attachment 8.1 the contrast, assuming to be Attachment 2. Well Reaction and Impection Report Attachment 8.1. The Contrast, assuming to be Attachment 7. Well Reaction and Impection. The attenues from musi new the minimum record requirements of API 1024 ection 9.		Kiewit OSSQ	ACC				Use-As-Is	Verily Final Visual Inspection was performed in accordance with B31.3 and If acceptable Use As to		9/10/2020 9/10/20					12/9/2020	CLOSED	YES
0064-R1	Point Inspection	APC) performed final visual well inspection on al joing wells on the V2 compressor in accordance with the Project specifications, AMEIE B313, AME Contrast, and the National G614 Well PRA). APCI did not document well joint In-pa and well not inspection on all wells as described in the National G614 Well PRA). PRG/S Section 53 Welle Qualitations on expropribilities 27 the Well PRA) the regionable for second on a Well Record topection Report Altechanet B (No schial Altechanet B in the contract, assuming to be Alternative 2004 Report Altechanet B (No schial Alternative B in the contract, assuming to be Alternative 2004 Report Altechanet B (No schial Alternative B In the contract, assuming to be Alternative 2004 Report altechanet B (No schial Alternative B In the contract, and the performant and the performant and the performant and the profession Report Barrowski and profession. The alternate form must metal the altername transmission of a 1014 topation of a 2110 topation of and the performant and the performant and the 1016 topation of the performant and the performant and the performant performant and the p		Kiewit OSSQ	APCI				Use-As-Is	Verity Final Visual Inspection was performed in accordance with B31.3 and If acceptable Use As is		9/10/2020 9/11/20					12/9/2020	CLOSED	YES
0065-R1	Metering Skid - 3 Point Inspection	The distribution introduced analysis of R11101 addition, and a rest of Faced Gala Matering Gala's interval of the distribution of the distribution of the distribution of the distribution of the View Pelog. Additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional responsible for completion of a View Record and Impection Report Gala Tamateria (126 PSIG) and present additional additional additional additional additional additional responsible for completion of a View Record and Impection Report Gala Tamateria (126 PSIG) and greateri. Use this report timo or similar togetion to document the weld impections. The alternate from main need the minimum record requirement of VIP 110 section 4 of VII 100 section 4 of VIII 010 section 4 of VIIII 010 section 4 of VIIIII 010 section 4 of VIIII 010 section 4 of VIIIII 010 section 4 of VIIII 010 section 4 of VIIIII 010 section 4 of VIIIII 010 section 4 of VIIII 010 section 4 of VIIIII		Kiewit OSSQ	Aether				Use-As-Is	Verily Final Visual Inspection was performed in accordance with B31.3 and If acceptable Use As is		9/10/2020 9/11/20					12/9/2020	CLOSED	YES
0066-R1	APCI ColdBox - 3 Point Inspection	APC) performed that visual well inspection on all point wells on the CatBlos in accuratorse with the Project specifications. ARXE B31, the Courtex, and the National Gin Weld Poilcy, APCI and not document well point File, and well not inspection on all wells as described in the National Gini Weld Poilcy. Section S3 Medio Qualitation Report Allaberts The Welding Impector full be responsible to completion on a Weld Record StrugetCation Report Allaberts The Welding Impector full be responsible to completion on a Weld Record StrugetCation Report Allaberts The Welding Impector full be responsible to complete on a Weld Record StrugetCation Report Allaberts The Welding Impector full be responsible to complete on a well well strugetCation Report Allaberts and the Allabertmeel B in the contract, assuming to be more usimilar logication allabert the well impectors. The alternate form must meet the minimum record requirements of API 1104 section 9.		Kiewit OSSQ	APCI				Use-As-Is	Verly Final Visual Inspection was performed in accordance with B31.3 and If acceptable Use As to		9/10/2020 9/11/20					12/9/2020	CLOSED	YES



NCR No.	Title Description	Recommended Corrective Action	Type (Internal / Supplier /	Action By Ver	dor Discipline	Construction Area	Piece of Equipment Affected	Disposition	Disposition & Required Actions	Recommended Preventative Actions Date Issued	NG Date Disposition Submitted to Client Client	ion Proposed Date Submitted y Closure to Client for Date Closed Date Closure	ACTIVE NGWP Activity
0067-R1	APCI Crossover Box APCI performed that visual weld inspection on all pping welds on the Crossover Box in accordance with the - 3 Point Inspection Project specifications, ASME B37.3, the Contract, and the National Grid Weld Policy, APCI did not document and welds and exclusion in the National Grid Weld Policy. APCI did not document and a welds and the specification in the National Grid Weld Policy. APCI did not document wells are specification in the National Grid Weld Policy. Sector 10 Mel Policy Contract Weld Renord Inspection Report Allachment B (Ne transf Allarchment B in the contract, assumpt to be Allachment 21 Well Renord and Inspection Report Glia Transmission (12 PBIG and grident). Use this report form a similar log/form to document the weld inspections. The alternate form must meet the minimum record requirements of APT 104 section 3.		Client) Kiewit	OSSQ APCI				Use-As-Is	Verity Final Visual Inspection was performed in accordance with B31.3 and if acceptable Use As Is		2020 9/12/2020 Client	Date Closure	CLOSED YES
0068-R1	Chart Track Loading Chart performed final visual weld impection on all pipprivetids on the Track Loading Skid in accordance Skid - 3 Point Inspection document weld joint fil-up and weld root inspection on all welds as described in the National GM Weld Weld Projection document weld joint fil-up and weld root inspection. Root all welds as described in the National GM Weld Weld Projection of all Weld Record Inspection Root and Inspection Root Gain Transmission (12 PSR) and assuming to be Altakathornet 21 Weld Record and Inspection Root Gain Transmission (12 PSR) and greated). Lue finis report fism or similar togform to document the weld inspections. The alternate from must met the minimum coord inspection Root PA 1110 Section 3.		Kiewit	OSSQ Chart				Use-As-Is	Verify Final Visual Inspection was performed in accordance with B31.3 and if acceptable Use As is	9/02020 9/		129/2020 0	CLOSED YES
0069-R1	Chart preformed final visual weld impection on all piping welds on the Ningen Vaporization Package in accordance with the Photogic applications (ASKE BI3.1, the Contrat, and the National Gif Weld Policy. Package.3 Point Chart din document weld print fl-up and weld not inspection on all welds as described in the National finapection. If Weld Policy Section 5.3 Weld Coaditions Censponsibilities 27 The Welding Inspectors hall be responsible for completion of a Weld Record Inspection Report Altachment B In the contrast, assuming to be Altachment 21 Weld Record Inspection Report Cast Transmission (125 PSIG and greater). Use this report form or similar log/form to document the weld inspection. The alternate B runn mut meet the minimum record requirement of AP1 104 section 9.		Kiewit	OSSQ Chart				Use-As-Is	Verify Final Visual Inspection was performed in accordance with B31.3 and if acceptable Use As is	9102020 91	2020 9/122020	1382220	
0071-R1	PPC-192 APC performed Chargy impact Testing on statistics steel welding procedure for the weld netal and heat Compresso SMA and affected zone for the XC Compressor SMA in a fielded zone for the XC Compressor SMA in a fielded zone for the XC Compressor SMA in a fielded zone for the XC Compressor SMA in a fielded zone for the XL Compressor SMA is a fielded zone for the XL Compressor SMA in a fielded zone for the XL Compressor SMA is a fielded zone for the XL Compressor SMA is a fielded zone for the XL Compressor SMA is a fielded zone field field in the XL Compressor SMA is a fielded zone field field in the XL Compressor SMA is a field		Kiewit	OSSQ APCI				Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As ts.		2020 9/12/2020	12/4/2020	OPEN YES
0072-R1	APCI - Compander APC) performed Chargy Impact Teating on stabiless sele investiga procedures for the weld metal and heat Skil - Base Meal Skil - Base Meal Chargy SS and etched to the National Girl Weld Palicy, APCI data on perform Chargy impact testing for the base metal and decribed in the National Girl Weld Palicy, APCI data on Chargy impact testing for the base metal and decribed in the National Girl Weld Palicy Science 5.5 - Novel Weld Procedure Specifications; Paragraph C. Procedure Qualifications; Sharedion 1) All welding procedure qualifications for Austernitic Statistics Site (pring, Subgaragraph I: Three (j) lest gescimens shall be tested from each weldment location, i.e., see medal, weld metal, and heat affected zone:		Kiewit	OSSQ APCI				Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As Is.	ano2020 an	2020 9/12/2020	12/4/2020	OPEN YES
0073-R1	APCI - Crossover: APCI performed Charyu Impact Testing on stahless sells welding procedures for the weld metal and heat Boor - Baas Meial Boor - Boord		Kiewit	OSSQ APCI				Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As Is.	9/10/2020 9/1	2020 9/12/2020	12/4/2020	OPEN YES
0074-R1	APC1-Cold Box- APC1 performed Chargy impact Testing on stanless stell welding procedures for the weld restal and heat Base Medi Chargy and allected zone for the ColdBox is accordinate with the project specifications. ASME CB1, a Econtrast and the National Cild Weld Policy, APCI did not perform Chargy impact tasking for the base mesh as discribed the Cold Cild Weld Policy, APCI did not perform Chargy impact tasking for the base mesh as discribed procedure Qualifications. Schedention 1) the Welding procedure qualifications in Availance Startless Steel pipingSubparagraph. Three (1) test specimens shall be tested from each weldment location, i.e., base metal, weld meski, and wall affected zone."		Kiewit	OSSQ APCI				Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As Is.	9/10/2020 9/1	2020 9/12/2020	12/4/2020	OPEN YES
0076-R2	Oran - Finul Line Oran particimed Drawy Impact Testing on startetes sets widing procedures for the weld mest and heat Selar- Base Mestal addresd zone for the Imu Line Selar is accordance with the project specifications, ASME S13, the Contract Andre S13, the Contract Andre S13, the Contract Andre S13, the Contract Andre S14, the Contract Searches Searches S14, the Contract Searches Se		Kiewit	OSSQ Chart				Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As Is.	910/2020 97	2020 9/12/2020		OPEN YES
0077-R1	Chart - Truck Chart performed Chary Impact Testing on statietes steel welding procedure for the weld mest and heat Loading Skid - allefectad zone for the Truck Loading Skid - accordance with the project specifications, SME B3.1, the Base Meal Chary Contract and the National Girl Weld Pelky. Chart did not perform Chary Impact testing for the base meal as described in the National Girl Weld Pelky Settion 5.5 how Welder Poccedure Specification; Paragapto - Procedure Qualifications; Sbasedion 1) All welding procedure guillications for Austrelinic Statisets Stee ploymer, "Subgaraggirch Three (1) heat specification; Interest Stee ploymer, "Subgaraggirch, Three (1) heat specification; Acc Booster A. Davis and the statiset and test and test and test and the statiset form each weldment location 1.a. have meet award and test affected non-		Kiewit	OSSQ Chart				Use-As-Is	Verity all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As Is.	9/10/2020 9/1	2020 9/12/2020	12/4/2020	OPEN YES
0054 R4	Compressor - affected zone for the Booster Compressor in accordance with the Newt Detailed Design Criteria, ASME Mixing Charya, B 2013, the Contract and the National Girls Weld Pholicy, ACC did not perform Charyi protect transite testing for the Incorrect NDE % base metal a described in the National Girls Weld Pholicy, Section S Content; Subsection 5.1 Scoper Phole metal and base metal heat affacted 2 zone in accordance with the requirements of ASME Section DR Sub adapting the Three (1) base type metal affacted 2 zone in accordance with the requirements of ASME Section DR Sub adapting the Three (1) base type metal affacted 2 zone in accordance with the requirements of ASME Section DR Sub adapting the Three (1) base type metal sub between the metal web web to the Source (1) base metal and base heat and the sub-section of the section of the sub-section of the sub-sectio		Kiewit	OSSQ ACC					Rework to Acceptable Standard	7/31/2/20	8192220		OPEN YES
0075-R1	LOP - Gas LoP and the set of the se		Kiewit	OSSQ UOP				Use-As-Is	Verify all Procedure Qualification Records contain Chargy impact testing results in compliance with B31.3 and if acceptable Use As ts.	9102220 91	2000 9122020	12/4/2020	
0078-R1	APCI - N2 APCI din ot perform additional NDE per Contract Scope of Work 3.10 Welding Requirements: 100% of Compressor Skid - welds performed on gas piping with a design pressure of 125 psig or greater shall be non-destructively NDE Requirements learnined by radiograph, uttraction, imageric particle or liquid dye pentratin methods as specified in the		Kiewit	OSSQ APCI				Use-As-Is	Verify all NDE was performed in compliance with B31.3 and detailed engineering design and if acceptable Use As Is.	9/10/2020 9/1		12/9/2020	OPEN YES
0079-R1	APCI- Compared: APCI do not performed and APCE per Contract Scope of Work 3.10 Weiding Requirements: 100% of APCI - Compared: APCI do not performed on gas perior with a design pressure of 125 psig or geneties shall be non-destructively INDE Requirements weids performed on gas perior and examples particle of hypothese periorities methods as expectited on the National GM WHIP Perform.		Kiewit	OSSQ APCI				Use-As-Is	Verify all NDE was performed in compliance with B31.3 and detailed engineering design and if acceptable Use As Is.	9/10/2020 9/1			OPEN YES
0080-R1	UOP - Gas UOP - Gas (DOP performed NEO Gas Deretreatment Package Pping in accordance with the Kiewk Detailed Design Pretreatment Package - NDB 3.1 WeiRPA 58A and ASME B31.3. UOP did not perform additional NDE per Contract Scope of Work Package - NDB 3.1 WeiRPA 58A and ASME B31.3. UOP did not perform additional NDE per Contract Scope of Work greater shall be non-metrix: 100% of weids performed on gas piping with a design pressure of 125 ping or greater shall be non-metrix: 100% of weids performed on, magnetic particle or liquid dye		Kiewit	OSSQ UOP				Use-As-Is	Verify all NDE was performed in compliance with B31.3 and detailed engineering design and if acceptable Use As Is.		/2020 9/12/2020		ONTH YES
0081-R1	Chart Nitiogan Chart performed Note Nitiogan Space		Kiewit	OSSQ CHAF	т			Use-As-Is	Verify all NDE was performed in compliance with B31.3 and detailed engineering design and if acceptable Use As Is.	Pre 202020 Pre			OPEN YES
0082	While attempting to install steel column number A1 into its shear key poaks the that is located on the new Partially CuS News compressor buildings increases from the steel and the steel of the steel of the steel Noticitation Into the steel of the steel Noticitation Read Particle Steel Steel of the		Kiewit	Construction Site					As a result, the work has been stopped and an alternate RFI #228 has been written Mar has approved the trimming of steel column 1A's shear large that allows it to fit properly within the shear key pocket above the partially cut horizontal reinforcement steel resolving the encountered conflict. In addition, the Engineer of Record has examined the partially cut horizontal reinforcement steel bar and has determined that it is of adequate strength outlike in blace as is.	9/10/2020 9/1	2020 8/19/1010 9/18/2022	10/13/2020 0	CLOSED NO



No. N	NCR No.	Title Description	Recommended Corrective Action	Type (Internal / Supplier / Client)	By Vend	dor Discipline	Construction Piece of Equipmer Area Affected	t Disposition	Disposition & Required Actions Recommended Preventative Actions	Date Issued	ENG Signature Date	Date Disposition Submitted to Client	Rejected Eleva	tted Date Disposition Approved By Client	n Proposed Closure Date	Date Submitted to Client for D Closure	ate Closed Al	CTIVE NGWP Activity
i = i = i = i = i = i = i = i = i = i =	0083-R1	Compressor Skid – affected zone for the XC Compressor Skid in accordance with the protect specifications, ASHE B31.3, the Base Meld Charpy, Contract and the National GM Videl Policy, APCI did not perform Charpy impact testings for the base melds a described in the National Gift Widel Policy Section 5 Content; Subascillon 15 Scope; Paragraph d. Procedures; Subaction 07 Testing; Subapargingh L. Charpy Vinch Toughness testings of the base melds and base melds the structure of the testing structure of the testing of the base melds and base melds. The structure of the testing structure of the testing structure of the structure of the structure of the structure of the structure of the structure of the structure of the weld media, and the affected zone and structure of the structure of the structure of the host and address structure of the structure of the structure of the structure of the weld media, and the affected zone and structure of the structure of the structure of the host are 20 degrees F. For burder darramission and distructure oping systems, b. 20 Host, at 0 degrees F for above ground transmission and distructure oping systems, b. 20 Host, at 0 degrees F			APCI			Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As Is.	9/10/2020	9/11/2020					12/4/2020	12/9/2020 CLC	SED YES
1 1	0084-R1	as described in the National Gind Weld Palicy Section 5 Content, Subascian 5. Scope, Paragraph J. Procedures, Subaccion (3) Testing: Subagraphi. Charge y-Ackin Taglers setting of the base metal and base meal heat affected zone in accordance with the requirements of ASME Section DK. Sub subgraphysh. Three (5) last specimiera and bale based for an activitation taglers tast basis, is used metal, and base metal heat affected zone in accordance with the study of the sub-metal section of the same metal. Subject of the study of the subject of the subject of the subject of the subject of the same metal. In the subject of the		Kiewit OSSQ	APCI			Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As ts.	9/10/2020	9/11/2020	9/12/2020				12/4/2020	12/9/2020 CLC	SED YES
No. Solution Solutin Solutinities S	0085-R1	Lease metal and provide Crist Werd Palory, APCI data ore perform Characy impact testing for the base metal as discribed in the National Grid Verol Palory Section Contem Subsection 51 Scope Paragraph P Derecetures: Subsection 2) Testing: Subparagraph. I. Charagr V-Holdh Toughness testing of the base metal and base metal here affected one in accordance with the requirements of ARCS Section (N. Stub Jourgangsh). Three (3) test specimens shall be tested from each velocitient location, i.e., base metal, weld metal, and heat affected upon and all metels the following Section Section Testing Palors and Palor Section (S. Stub Lease 2) Section Sectio		Kiewit OSSQ	APCI			Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As ts.	9/10/2020	9/11/2020	9/12/2020				12/4/2020	12/9/2020 CLC	sed YES
Model Prime Prima Prime Prime Prime Prime Prime Prime Prima	0086-R1	Final Line Skid- alfeed zone for the Ninogen Final Line Skid piping in accordance with the project specification, ASNE Base Medi Charpy, B31.3 the Contrast and the National Gird Veld Policy, Chart did Norgentom Chargy paraset testing for the Skie Medi Charpy, Digenset testing of the Skie Skie Skie Skie Skie Skie Skie Ski		Kiewit OSSQ	Chart			Use-As-Is	Verify all Procedure Qualification Records contain Charpy impact testing results in compliance with B31.3 and if acceptable Use As ts.	9/10/2020	9/11/2020	9/12/2020				12/4/2020	12/9/2020 VOI	D YES
Image: Description of the sector of the s	0087	forms job-built forms with a release agent (the job-built forms were observed to have concrete adhered to their face		Kiewit Constru	ction Site					9/22/2020						11/17/2020	OPI	NO
M M M M M	0088	coordinates		Kiewit Constru	ction Site					10/1/2020	10/5/2020	10/6/2020				10/6/2020	OPT	NO
1 1	0089	account for 4' 6" wide section of Rip Rap R-6 gradation as shown on 102761-B-STR-SF-5175 detail 8 (Thornton Tomasetti). This results in a 4'6" road width reduction unless modifications are made to 102761-B-		Kiewit Enginer	ering Site					10/1/2020							QPI	NO
10 10 ² 10	0090	Compressor COLUMN B1 anchor bolts off location Building Anchor Bolt		Kiewit Engine	ering Site												OPT	NO
MMM MMMM MMM MMMM MMMM MMMM MMM MMM MMMM MMMM <	0091	quality for shop and T-281. welds on spool		Kiewit OSSQ	PSI						_							NO
Amom Build and and and and and and and and and an	SR010-RPT-001	The Contract, Number 440005216 between National Grid LLC and Kiewii Power Constructors Co. states in section.32.0.6 of the Scope of Work and lard O Deiverables, the Contractor shall be responsible for providing warehouse and storage facilities both on and of site. Also stated in the section.7 shall be the responsibility of the Contractor store, croted and martirian all esculared and materials in according will SOW.	The equipment as noted above shall be fully inspected by the original equipment manufacturer to what ever extert necessary and then submit to the Owner any recommended repairs.	Client OSSQ					Inspection of all APCI stored equipment and deliver a full regord of all Meetings and recommodel registria that and be made. Inspection criteria communicational and all anal be in accordance with requirements provided by the equipment multicular and advisor full and advisor and and advisor and advisor and advisor advis	in		11/15/2019	N/A N/	A 11/15/2019	6/15/2020	6/22/2020	6/22/2020 CLC	SED NO
Name Name <th< td=""><td>SR010-RPT-001 r1</td><td>(NCR Log) and actions are taken to correct or resolve the issue in a timely manner. The paint system identifies for use on the D-1000ARC Actions and the Gas Separator LDD-101 treads. Actions are required to be a high Temp Costing system as identified by Kewn Costing Systems Selection Guide - 1027-16-STR - costing System With LPDHSS (2) costing Head Costing Systems Selection Cost - 1027-16-STR - Costing System With LPDHSS (2) cost Head Cost Selection Cost - 1027-16-STR - costing System With LPDHSS (2) cost Head Cost Silver Cost Selection Cost - 1027-16-STR - was also noted was also on earlier drawing revisions but later changed to the low temp non-compliant system.</td><td>a #14 system IZ/HS/HS</td><td>Client OSSQ</td><td>UOP</td><td></td><td></td><td></td><td>Responsible Engineer (FIE) and Physica Quality 18 on Regeneration Gas Separator LDD-101 and Absorbes LD-1000 RGRC Privatory american Carl Control Cont</td><td>le l</td><td></td><td>7/31/2019</td><td>N/A N/</td><td>A 7/31/2019</td><td></td><td></td><td>9/30/2020 CLC</td><td>SED NO</td></th<>	SR010-RPT-001 r1	(NCR Log) and actions are taken to correct or resolve the issue in a timely manner. The paint system identifies for use on the D-1000ARC Actions and the Gas Separator LDD-101 treads. Actions are required to be a high Temp Costing system as identified by Kewn Costing Systems Selection Guide - 1027-16-STR - costing System With LPDHSS (2) costing Head Costing Systems Selection Cost - 1027-16-STR - Costing System With LPDHSS (2) cost Head Cost Selection Cost - 1027-16-STR - costing System With LPDHSS (2) cost Head Cost Silver Cost Selection Cost - 1027-16-STR - was also noted was also on earlier drawing revisions but later changed to the low temp non-compliant system.	a #14 system IZ/HS/HS	Client OSSQ	UOP				Responsible Engineer (FIE) and Physica Quality 18 on Regeneration Gas Separator LDD-101 and Absorbes LD-1000 RGRC Privatory american Carl Control Cont	le l		7/31/2019	N/A N/	A 7/31/2019			9/30/2020 CLC	SED NO
Built Description Second state and control state and control state and state an	SR010-RPT-002	Section 12.0 of the Kewi Quality Management System revision 3 requires that AI documents and data will be neovied and reviewed and the individuals state Review or stamp. Void, Superseded or equivalent on all superseded documents. This requirement has been intermittent and there are superseded documents in TraveRived to that one of how any to be hold how and work of the state of the state of the state of the state.	Review all associated project documents that do not meet the QMS requirements and stamp in accordance with requirements	Client					Kiewit to follow the document control procedure 102761-B-DMT-PRC-0001 Kiewit to follow Sec. 9.7 of the document control Sec. 6.3.4 Stamping and document notation and Sec. 9.4 work packing procedure for audits	6/23/2019		11/15/2019	N/A N/	11/15/2019	4/24/2020	5/27/2020	6/8/2020 cur	SED NO
Bits Bits Pict Pict Pict Pict Pict Pict Pict Pict	SR010-RPT-003	Klewit Quality and Procurement to provide (2) radiographic film packages for National Crist review on or around Mky 307, 2015 from the QLI Coast Alloy Verding/ UOP vendor. As of this date after several additional requests the film has not been provided. The reports are noted as number 224 and 211 from Phoreix Non-Destructive Testing Coant defence workido no Nozale CCI D-1000A and Nozale CC LID-		Client					Kiewit acknowledges the Clients willingness to audit GCAW/UOP and is	d 6/23/2019		7/31/2019	N/A N/	A 7/31/2019	9/27/2019	9/27/2019	9/27/2019 CLC	SED NO
Built During all redering up in largered up or data (Apr) 1, 37, 41 as data data (SR010-RPT-004	construct to meet the design and engineering specifications to ensure construction is in accordance with approved standards. Field construction and/or Kiewit abdomtactor CTR relocated the strate agree from the position as noted in 102761-8-STR SS-CO19 rec2 as shown on drawing 102761-Bo-00000-STR-SK-R6001 rev 8 without proper written documentation or a RFI to support this change. Several days after the change had been inglements (10276)-STR-SK-C0019 days released noting said change. Key possible (10276)-STR-SK-C0019 days released noting said change. Key possible (10276)-STR-SK-C0019 days released noting said change. Key possible (10276)-STR-SK-C0019 days released noting said change.	All changes to specifications must be properly documented utilizing a RFI or other approved written procedure to ensure proper parties are notified of any said changes.	Client					Kewit to provide refresher RFI training to field personnel on the RFI process. Training documentation to be submitted to NG process. At specification target require an sporved RFI before the changes can be	7/1/2019		9/9/2019	N/A N/	A 9/9/2019	9/9/2019	9/9/2019	9/9/2019 CLC	SED NO
SR010-RPT-000 Revits Poorterent Quarteriation explosition of materials encoded in quarterials are review.1 million of materials ar	SR010-RPT-005	certain Mechanical Piping specifications referenced the NFPA-59A-2019 ode version which is incorrect. The project is using NFPA-59A-2001 version per FFRC requirements. A review of the following specifications in	Place holds on all of the specifications that reference the wrong revision. Do not release until specifications are updated with the correct revision.	Client					neterenced pipe specifications in the NCR were revised to remove NIFPA- 58A 2019. Nucleal Grid commented and informally approved the RF in 0 19-Jui-2019. The Project Design Basis was revised on 25-Jui-19 to reflect RFr4222.FFR-202 was formally issued on 24-Jui-19 to document code			8/27/2019	N/A N/	A 8/27/2019	9/27/2019	9/27/2019	9/27/2019 CLC	SED NO
No. The Control table is Socied 2.3 bipection and Table is possible for anomaly is to determine the rootine and operation of the control is specific possible for anomaly is to determine the rootine and operation of the control is specific possible for anomaly is to determine the rootine and operation of the control is specific possible for anomaly is to determine the rootine and operation of the control is specific possible for anomaly is to determine the rootine and operation of the control is specific possible for anomaly is to determine the rootine and operation of the control is specific possible for anomaly is to determine the control is specif	SR010-RPT-006	Keevit's Procurement Plan requires non-conforming materials received to be placed in a quarantine area and/or marked as do not use	personnel involved in receiving of material to ensure the process is followed when non-conforming materials are received. Training to be	Client					Place the referenced piping material into the specified quarantine area and compliance of materials. All relevant personnel will properly mark as do-not-use. trained and knowledgeable with the requirements of the second secon	be f		10/01/00/-		100105	C 07100	5.070000	10/01/0010	
SR010-RPT-008 NFPA 24 NFPA 24 Scatchest production is noted in Section in Conduction in the state in firewater system to the lead in mean result in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the lead in the state in firewater system to the state in firewater syst	SR010-RPT-007	less than (10) Business days, written notice of scheduled dates for the conduct of, and opportunity to witness, the off-site testing as described on Appendix "T". Kiewit allowed Atlas Copco to conduct a hydrotest of the	Procurement and OSSQ shall review the requirements for notification of off-Site testing to ensure National Grid is properly notified in the proper	Client					Perform the recommended corrective action as noted in Section B. Kiewit OSSQ is going to add National Grid to the Kiewit has reviewed the contractual requirements and previously agreed correspondence between Kiewit Quality & OSSQ provide the Kiewit and the submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements and the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality submitting the molification requirements with all applicable to Kiewit quality applicabl									SED NO
	SR010-RPT-008		with NFPA 24. Correct all Kiewit piping specifications that show ASME 31.3 as the design code for firewater systems to reflect NFPA 24 ISO's will be tested in firewater test system on-site. No further action	Client					Gewit will hydro all firewater spools on-site in Gewit will hydro all firewater spools on-site in accordance with NFPA 24. Specifications reflect Perform the recommended corrective action as noted in Section B. NFPA 24 AS APPLCAE. Revised appointations accordance with NFPA 24 AS APPLCAE. Revised appointation accordance with NFPA 24 AS APPLCAE. Revised application accordance with NFPA 24 AS APPLCAE. Revised application accord	8/2/2019		9/27/2019	N/A N/		9/27/2019	9/27/2019	9/27/2019	SED NO

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Title NCR No.	Description Recommended Corrective Action	Type (Internal / Supplier / Client)	y Vendor	Discipline	Construction Area	Piece of Equipment Affected	Disposition	Disposition & Required Actions	Recommended Preventative Actions		NG Date Date Date Date Date Date Date Date	te sition tted to ent	ejected Elevate	Date Dispositio Approved By Client	n Proposed Closure Date	Date Submitt to Client fo Closure	ed Date Closer	d ACTIVE	NGWP Activity
SR010-RPT-009	Kewit is required to notity National Grid per the Master (TP on Hold and Witness points. NG was not notified for the First Shipment of Piping Fabrication provide National Grid with a responsibility matrix.	Client						Client stated in this section, "Perform action and steps as noted in Section "B" above."	A quality kickoff meeting will be scheduled before above ground pipe fabrication is started. Kiewit and National grid had previously agreed that no inspections would be jointly attended for below ground pipe fabrication.	8/5/2019	11/15/2		N/A N/A	11/15/2019	5/28/2020	5/28/2020	6/1/2020	CLOSED	NO
SR010-RPT-010	Require ABB to formally submit quality deliverables through Section 3.10 Weiding Requirements, requires all procedures for weiding of piping, vessels and equipment. TeamBinde to KG review and approval profor to construction of performed off-site shall be submitted to the owner for review ad approval prior to construction. ABB were not questioner deliverables. Provide a preventative action that will ensure applicable contrast requirements will be submitted to the owner for review ad approval prior to construction. Conveyed this information contrast between Kiewing and Vendors	Client						Client stated in this section, "Perform action and steps as noted in Section "B" above."	Kiewit to review all SDS requirements for future vendor work to ensure they are meeting the client requirements.	8/8/2019	8/8/2	:019	N/A N/A	8/8/2019	9/27/2019	9/27/2019	9/27/2019	CLOSED	NO
SR010-RPT-011	Exclion 23.12.30 the Contract states ⁻¹ the Contractor shall provide "hily functional, integrated, electronics data and document management system. ⁻ Taemfidiew that is the existing Content Control Management system has not proved to be a functional system. This system has shown to be unable to consistently provide access by the Content to the Interhald Gourtering for relevant with the related to this project tools pre-subjectional documents. Large data anyos are transmitted without day arend prior to perform control and the system. ⁻ The optimized management system that's capable and will project tools pre-subjectional documents. Large data anyos are transmitted without day arend prior to period completor. Comments made by the more during the document review having been incorporated into the subsequent document frames. The Owner has been subjected to Bets testing of system changes within the prove to be inferenced accounter outby procedure.	Client						тво	TBD	8/8/2019	12/16/	2019		1/15/2020	5/21/2020	5/21/2020	5/21/2020	CLOSED	NO
SR010-RPT-012	Bedion 7.2 Procument Strategy of the Context Plegical Execution Than states, "The network of thomants from a supplier solid pic contextile by the impedion. If all existence is the supplier to ally will be issued after the negociar is satisfied that the work has conformed to be inclinical specifications, that the Supplier handle compliand the mode is the conformation of the inclinical specifications, material califications have been provided." The underground piping vendor, PSI, shipped a laad of piping in which the firstward terriping had the work piping and the PFed State solid average and piping in NBE radiograph requirements. A final inspection retense was not generated showing the shipment was in compliance with the pipet specifications.	Client OSSQ	PSI		L	UG Pipe		тво	Update Master ITP with Kiewit and client comments	8/14/2019	4/1/2/	1020		5/26/2020	5/28/2020	5/28/2020	5/28/2020	CLOSED	NO
SR010-RPT-013 R1	The Prime Contract Atlauchment (7) requires APCI to comply with the noted and referenced Codes and Standards used in APCI scope of supply for National Gint. This section references NPTA SBA, Standards for Periloution, Stangare and Handing of Lugaterial Natural associations as required by NPTA 59A - the Photocinc, Stangare and Handing of Lugaterial Natural associations and the quality. 2001 and perform the necessary additional NDE as required to meet deliverables for the Creasover Bridge and such review noted the actual NDE performed was not in compliance with the NEC requirements as issed in MPTA 58A - 2001 Capter 6	Client OSSQ	APCI		в	Cold Box Crossover Box		Kiewit will comply with the NDE requirements of NFPA 59A - 2001	Kiewit will review all supply contracts with piping components that need to include the requirements of NFPA 59A 2001 and reaffirm vendors compliance	8/20/2019	11/15/2	2019 11/	/15/2019	4/13/2020	6/15/2020		5/28/2020	CLOSED	NO
SR010-RPT-014	The Pinne Contract Section 3.1 05 Cope of Work requires all procedures for wedding of piping, vessels and equipment performed off-set ball be ballwindles to Dwork for environ and approved priorito construction. A pre-hydro data review for the APCI Consource Bridge piping noted the wedding procedures used in the piping constructions were not submitted as part in requirement	Client						Klewit will comply with the NDE requirements of NFPA 59A - 2001	Kiewit will work with suppliers to provide National grid with weld procedures for review.	8/20/2019	9/27/2	2019	N/A N/A	9/27/2019	11/15/2019	11/15/2019	11/15/2019	CLOSED	NO
SR010-RPT-015 R1	Construction were not submitted as per this requirement The Prime Charlas Radament (7) requires APCID comply the noted and reference Codes and Sandards audei In APCI scope of supply for National Gint. This section references NPFA 658. A construction of the quark Doi 1 and perform the necessary additional NDE requirements as required by NFFA 58A. The Productions, Stopping and Harding of pulseen Natural Gist (10, 20, 10) and used in APCI scope of the quark Doi 1 and perform the necessary additional NDE as required to meet desired by the NDE requirements as sites in NFFA 55A. The Vendor Data Books for UCPRCOW equipment was submitted to National Girld for review. The books compliance for Code Books for UCPRCOW equipment was submitted to National Girld for review. The books compliance for Code Books for UCPRCOW equipment was submitted to National Girld for review. The books compliance for Code Books for UCPRCOW equipment was submitted to Datament Girld for review. The books compliance for Code Books for UCPRCOW equipment was submitted to Datament (20, 10) and used for the codes	Client OSSQ	APCI		в	Cold Box		Kiewit will comply with the NDE requirements of NFPA 59A - 2001	Kiewit will review all supply contracts with piping components that need to include the requirements of NFPA 59A 2001 and reaffirm vendors compliance	8/20/2019	11/15/	2019 11/	/15/2019	4/13/2020	6/1/2020	6/17/2020	6/19/2020	CLOSED	NO
SR010-RPT-016	AP Particle Filters were reviewed buy National Grid and found to be non-compliant with the contract requirements Kiewit shall review the data book for the equipment as mentioned above and perform the necessary tasks so the data book complies with contractual requirements	Client OSSQ	UOP		E	Pretreatment Skid Absorber(s) Gas Separator		Klewit will submit data books going forward as part of our document lumover process in accordance with 102/261-6-DMT-RRO-0001. Document Control Procedure. Section 10.2, Project Data Book, following review by Klewit.	These datebooks were submitted to National Orid as per their request, future datebooks will be submitted to National Grid in accordance with Document Control Procedure	8/29/2019	11/6/2	2020		5/28/2020	7/15/2020	11/6/2020	11/6/2020	CLOSED	NO
SR010-RPT-017	The Vendor Data Book for UDPICCAW equipment was submitted to National Grid for review. The book contained fabrication documentation for the LD-1011 Gas Separator. The data book was reviewed by National Grid and board to be concurrent and the contract requirements.	Client OSSQ	UOP		E	Gas Separator		Kiewit will submit data books going forward as part of our document turnover process in accordance with 102761-B-DMT-PRO-0001, Document Control Procedure, Section 10.2, Project Data Book, following review by Kiewit.	These datebooks were submitted to National Grid as per their request, future datebooks will be submitted to National Grid in accordance with Document Control Procedure.	8/29/2019	4/6/21	1020 40	23/2020	5/28/2020	6/24/2020	10/6/2020	10/6/2020	CLOSED	NO
SR010-RPT-018	Keest Pages Specific procurement plan 1027H I-B-01-PU-N002 "Selen-Skotentrador Kadeff Meeting AI contracts with a risk word for (4) and the G) are required to cound ki-ki-of meeting upon execution of the contract with a risk word for (4) and the G) are required to cound ki-ki-of meeting upon execution of the contract and prior to molitization (See CSS3 Section of this plan to understand how risk levels are bigging). The Contract Marger is responsible for schoduling and facilitating the meeting Project tasm assigned). The Contract Marger is responsible for schoduling and facilitating the meeting. Project Tasm (F) and exclude Kick-off meetings as required by the Specific attendees include the following as applicable: Responsible Engineer, Engineering Laad, Project Expeditor, Procurement Plan as noted above. In Section 'A'. National Grid shall b replayment and required Kick-off meetings have not been conducted prior to commencement of tabrication for many of these evideos.	s e Client						Klewit will submit data books going forward as part of our document turnover process in accordance with 102781-B-DMT-PRO-0001. Document Control Procedure, Section 10.2, Project Data Book, following review by Klewit.	Complete additional quality kickoff meetings at National Grid's directive.	8/28/2019	9/27/2		N/A N/A	9/27/2019	11/15/2019	11/15/2019	11/15/2015	O CLOSED	NO
SR010-RPT-019	Kewiki Pojeci Specific Processment Plan 10271-16-01.FOLV002 reguines the Materiel TP be transitianted with dates for fairbackins, specification insection, testing and head point regring schedulad stop oversight. The Matter TP Schedule shall include all Witness and Hold Points, Tactory Acceptance Test, Kewiki Is to provide an updated and completed Master ITP bet economicated quality acids and un additional recommende quality process also prespection and especting activities. The project has schedule and include all Witness and Hold Points, Tactory Acceptance Test, Reguing data and reguided inceptions and and in the Releticed Poorument Plan.	Client						See, 'Recommended Corrective Actions."		9/23/2019	11/	15/2019	N/A N/A	11/15/2019	5/28/2020	5/28/2020	6/4/2020	CLOSED	NO
SR010-RPT-020	A ground Water monitoring well (mw) was identified in Klewit's work area for Field Point Lquetacion Pojce. Klewit is to notify National Grid SR with proposal to locate and propert in an area that required placement of several field of III. National Grid SR provided guidance to Kewit on closure of the min accordance with RIDEM Requirements; Tori to placement of the III. International Control SR with proposal to locate and propert closure of the min accordance with RIDEM requirements; Tori to placement of the III. International Control SR with proposal to locate and propert closure problems and d not notify On-Site environmental for required oversignt of min with research and approved by the National Grid SR with research and approved by the National Grid SR	Client						NG SIR representatives witnessed this ground monitoring well final dosure.	Rewrit will work with NE to modfy workplan, in writing, for management of existing plant item decommissioning/demotifion. The revision to the workplan will be reviewed with the crew, and any deviation from the written workplan will be reviewed with NG prior to revising the workplan to account for the deviation.	10/3/2019	11/	15/2019	N/A N/A	11/15/2019	11/15/2019	11/15/2019	11/15/2019		NO
SR010-RPT-021	During the course of the Civil Audit #102519-002 performed at alter. Checklist time 4.0 (c) Has proof rolling been approved by the Goedenical Engineer in coordination with the Frield Representative? The audit team stated that the Geedenthrical Engineer was not rollified in accounter with Section 3.9 the Easthwork. Specification - 1027E1-B-CN-SPC-2001. The audit team was unable to provide documentation supporting the requirement was met.	Client Engineerin	9					Kiewit to provide Geotechnical Engineer approval of proof rolling activities based on signed off Subgrade Inspection Reports of the area proof rolled.	Revise the approved Inspection & Test Plan 102761-E CIV-ITP-0001 to include Geotechnical Engineer approval requirements.	11/1/2019			N27/2020	4/3/2020	6/5/2020	6/22/2020	6/23/2020	CLOSED	NO
SR010-RPT-022	During the course of the Cvi Audit #102519-002 performed at alter. Checklist Item 3.0 (g) Does the Geogrid meet the requirements as required by Earthwork Specification section 3.1.2. Documentation showing approval for the Geogrif materials was one provided prior to construction and were subsequently approved. Obtain approval from EOR for use of Geo-Tex material by the Geoechricus Engineer on 1024/2019 which is alter the placement of the materials. The audit team was unable provide downer/ensition supporting approximent of the materials.	Client						Drawing B-00-0000-STR-SF-5175 depicts the applicable Geo-Tex material and is stamped by the EOR with Thornton Tomasetia	NA	11/1/2019		1/7/2020	N/A N/A	1/7/2020	1/7/2020	1/7/2020	1/7/2020	CLOSED	
SR010-RPT-023	On October 11. 2019 Kienit and Matkined Grid attended a thop Inspection to whether hydro testing of the 15000A RN 24 attende 2 Centri Ma Ner Program, RN, Npon strings (Ne C) vessals in Interest were set up to concluse a Centri Ma Ner Program, RN, Npon strings (Ner C) vessals in the stress of the Vessal Ner Vessal N	s Client OSSQ						Kewit to provide proof that hydrolesit has been or will be completed. If no hydrotest is required, Kewit to provide documentation relieving Chart of the hydrolesit requirement.	твр	11/4/2019	11/15/2		N/A N/A	11/15/2019	6/24/2020	7/8/2020	7/8/2020	CLOSED	NO
SR010-RPT-024	Section 3.10 of the Prime Contract NUMEER 4400002518 requires Kewit to submit all welding procedures for pripur, sessal and equipment performed of all the Owner (Moralizational Grinf) prior lated construction. Kewit is required to review the welding procedures in project compliance prior to submittal for Mational Grinf mem. The welding procedures for Section 2.1. A submittal and the Construction 2.1. The Section 2.1. The Sectio	Client OSSQ	Integrated Flow Solutions		G	Regen Gas KO Drum? Filter Separator		Further investigation agreed that a hydro test was not performed and a pneumatic test will be performed at a later date in accordance with applicable code and project requirements, Client will be notified to attend testing.	TBD	12/21/2019	5/19/2	2020		5/19/2020	5/21/2020	5/21/2020	5/20/2020	CLOSED	NO



And weight an	Title NCR No.	Description	Recommended Corrective Action	Type (Internal / Supplier / Client)	tion By V	Vendor	Discipline	Construction Area	Piece of Equipment Affected	Disposition Disposition & Required Actions	Recommended Preventative Actions	Date Issued	ENG Signature Date Dispositio Submitted Client	n Rejected	Elevated	Date Disposition Approved By Client	Proposed Closure Date	Date Submitted to Client for Closure	Date Closed		GWP ctivity
And A	SR010-RPT-025	less than (10) Business days, written notice of scheduled dates for the conduct of, and opportunity to witness, the off-site testing. Kiewit allowed IFS/Transend to conduct a hydrotest of the Feed Gas Filter without	тво	Client OS		egrated w lutions		G	Filter Separator			1/16/2020	4/2/2020			5/21/2020	5/21/2020	5/21/2020	5/21/2020 C	LOSED N	,
Image: Section of the sectin of the section of the	SR010-RPT-026	the condition of tubes from improper preservation. The testing was performed by IRIS NDT and the test results are attached. Two tubes were found with immor pit like indications showing an measured wall loss. In addition during the inspection several tubes were found to have been bert which caused contact between adjacent tubes causing a non-relevant indication with one tube was only partially scanned due to the bert	Rebuild and replace tube bundle performing all required testing as per the contractual requirements.	Client OS	sa uoi	P		E	Pretreatment Skid	TED	твр	2/5/2020	3/16/2020			5/28/2020	6/15/2020	6/5/2020	6/8/2020 C	LOSED N	,
And No. Second Seco	SR010-RPT-027	the condition of tubes from improper preservation. The testing was performed by IRIS NDT and the test results are attached. Two tubes were found with indications. One tube was ben within the first foot and could not be inspected and one tube had non-relevant indication due to tube to tube contact. See attached report IFS/Transend to conduct a hydrotest of the Feed Gas Filter without providing Mational Grid proper	Rebuild and replace tube bundle performing all required testing as per the contractual requirements.	Client OS	UO SQ Inte Flov Solu	P egrated w lutions		EG	Pretreatment Skid Filter Separator	TED	твр	2/5/2020				5/26/2020	6/15/2020			LOSED N	,
And A	SR010-RPT-028	Genit procedure 102718-E-021-RPC-0011 Controlive & Preventative Actions states the purpose of the said productive is the statistical a continuous improvement process for generating documentation and implementing Contective and Preventive Actions in accordance with Keell's Quality Management System. Section 19:3 of the OMS Rev. 3 states that concellue or preventive action requests can be initialed by the client of by the our employees. National Gin that determine that the number and cases of Non-Computing Reports (Note) generated for this project has warranted Contective Action Reports (CARR) and has requested on several occasions such reports be generated. To date Kernik han or generated CRR v		Client Qu	ality					TBD	TBD	2/21/2020					6/15/2020			CLOSED N	
Mark	SR010-RPT-029	verify the overall effectiveness of the quality program along with the proper implementation. I. will also inzer- work is concluded in accordance with the customer's quality spectations including contract, code, jurisdiction requirements and Cherne Project Quality Management system. This procedure applies to all Cherne's project locations as with as shop and manufacturing facilities. Section 20 of the Quality management System Rev. J defines the requirement of both internal and external audits which are required to be not formed. A of this data. Mational Girdh and not reverved any audit notifications or audit records as	0001. Perform the audits as scheduled notifying the Client to allow for	Client Qu	ality					TBD	TBD	2/21/2020	3/16/2020			4/10/2020	6/1/2020	5/27/2020	6/4/2020 C	CLOSED N)
And Participation and Participati Participati Participation and Parti Participation and P	SR010-RPT-030	equipment performed off-site to be submitted to the Owner for review and approval prior to construction. This requirement is also noted in the contract between Klewit and Patterson Horth SSC-7200002536 Compresso Building, Nucro, sub-vendor the Patterson Horth has refused to submit the required welding	and quality deliverables through TeamBinder for National Grid review	Client OS	SQ Patt Hor	tterson rth		с	Compressor Building	Preform actions as of Sec, B Recommended Corrective Action section.	TBD	2/27/2020	3/20/2020			4/23/2020	5/28/2020			105ED N	,
Model No.	SR010-RPT-031 R1	Fields Point Project Management of Change Implementation process, dated Match 159, 2019 daften En requirements for May Changes in Sec.3.1 and En requirements for Manc Indepart respective section Jurkine provides the steps and processes on how changes are implemented allizing forms, team reviews, studies and an advectional requirement that MoCI is only to is implemented on the MoCI and the MoCI and the MoCI and the steps and the MoCI and the MoCI and the classified these changes and FL. These drawings direct processes that have the hord party which classified these changes and FL. These drawings direct processes that have an other steps and the violation of the MoCI complementation That. The regulated MOC commention and processes that are approved the MOCI is only to the processing of the MoCI and the approved the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved to the MOCI and the step of the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved to the MOCI and the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved the MOCI and the step of the direct processes are approved to the MOCI and the step of the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved to the MOCI and the step of the direct processes are approved and the MOCI and the step of the direct processes are approved to		Client En	gineering					Preform actions as required by Sec. B . Recommended Corrective Actions	тво	2/27/2020	4/1/2020			4/20/2020	5/28/2020	5/28/2020	5/29/2020 C	CLOSED N	
Answer Subscription Subscrin Subscription Subscript	SR010-RPT-032	Kiewit placed backfill on Duct Bank area 7 using (12') lifts. Earthwork Specification 102761-B-CIV-SPC-001	Kiewit is to remove the material placed in the referenced area that was preformed with 12" lifts and replaced material with 6" lifts.	Client En	gineering					Remove the placement that was made with 12° lifts and replace with the appropriate 6° lifts	твр	2/27/2020								LOSED N	,
No. 2007 Machine and the introduction of and a field of a field	SR010-RPT-033	terroral value be naccordance with ACI 301/ACI	does not require a compressive strength values as a determining factor in form removal or submit a compressive strength value to be met prior	Client En	gineering							3/2/2020	3/27/2020			3/27/2020	3/27/2020	3/27/2020	3/27/2020 c	LOSED N	,
No.	SR010-RPT-034	documented and actions are taken to correct or resolve the issue in a timely manner. National Grid has (4) NCR's generated during 2019 without agreed dispositions: (14) NCR's generated during 2019 that are	Process all NCR's to complete disposition and closure where possible	Client Qu	ality							3/2/2020	3/16/2020			5/26/2020	5/28/2020	5/28/2020	5/28/2020 C	LOSED N	,
Number of the start is near up up of the sta	SR010-RPT-035	the Number 4 weld on nozzle "B" due to chemical stains rendering the film non-compliant with code		Client OS	SQ UO)P		E	Absorber			3/3/2020	5/21/2020			5/26/2020	6/24/2020	7/16/2020	7/16/2020 c	LOSED N	,
Physical State Physica	SR010-RPT-036	Liquefaction Project for all of the time which is necessary to preform the Work and Contractor shall not remove or replace any of the Key Personal without the prior written approval of the Owner, which approval shall not be unreasonably withheld. Kewki has on multiple occasions removed and replaced Key Personal on the Key Personal on the Context of the Context	the positions as noted in Appendix "I", and submit resumes on all Key	Client Co	nstruction					Perform the required actions as noted in sec"B". Recommended Corrective Action		3/4/2020	3/10/2020			5/29/2020	6/1/2020	6/22/2020	7/8/2020 C	CLOSED N	,
Part of the second of	SR010-RPT-037	Contractor to submit documents for Client review and approval. These requirements are addressed in the Scope OU Work Sec. 225 and Uniter in appendic 'U'. The attached feveni TRN# (2088 shows (10) Piping Material Specifications that were revised without providing to the client for review and/or approval. The attached review history show an a example where Phing Specifications 102761-BMCE: SPC:0033NaB	are required to be submitted to the owner for review and approval over the last (120) days that were not properly processed through a Studio Session for owner review. Owner may require, at Owners discretion, for	Client En	gineering							3/10/2020	4/6/2020			4/10/2020	5/15/2020	5/28/2020	6/4/2020 C	CLOSED N	,
Interfact Interfact <t< td=""><td>SR010-RPT-038</td><td>During construction, Contractor shall keep a redlined, marked, up-to-date set of As-Built Drawings and specifications on the Work Site as required under Appendix "U". Kewit has not maintained a "set" of as-built drawings as required by the statement above for piling and other civil activities.</td><td>all National Grid personnel anytime construction activities are taking place on site. The drawings set will be updated immediately upon changes or issuance of the IFC construction drawings that effect or change the original approved design or Scope of Work.</td><td>Client Co</td><td>nstruction</td><td></td><td></td><td></td><td></td><td></td><td></td><td>3/24/2020</td><td>5/28/2020</td><td></td><td></td><td>5/28/2020</td><td>5/28/2020</td><td>5/28/2020</td><td>6/4/2020 c</td><td>LOSED N</td><td>,</td></t<>	SR010-RPT-038	During construction, Contractor shall keep a redlined, marked, up-to-date set of As-Built Drawings and specifications on the Work Site as required under Appendix "U". Kewit has not maintained a "set" of as-built drawings as required by the statement above for piling and other civil activities.	all National Grid personnel anytime construction activities are taking place on site. The drawings set will be updated immediately upon changes or issuance of the IFC construction drawings that effect or change the original approved design or Scope of Work.	Client Co	nstruction							3/24/2020	5/28/2020			5/28/2020	5/28/2020	5/28/2020	6/4/2020 c	LOSED N	,
Set0 0.8PT-040 procedures. Name: 4 where a set specific bourner Convert invesses Desc Control Contr Control Control	SR010-RPT-039	as appropriate". National Grid has made repeated requests for Kiewit to provide an updated Drawing Index	for all IFC/IFD/IFI drawings and submit such list to National Grid Engineering by COB on each Friday during design and construction of	Client Co	nstruction					Corrective Action shall follow the recommended Corrective Action as noted in section "B" above		3/24/2020	4/6/2020			4/6/2020	6/1/2020	6/2/2020	6/17/2020 c	LOSED N	,
SR00-RPT-041 Owned performance a closure of the DV Weith and the DV	SR010-RPT-040	procedures. National Grid has requested that Kiewit develop a Site Specific Document Control procedure for over (8) months and as of this date the reference procedure 102761-B-DMT-PRO-001 FPLP Document	in the referenced Document Control Procedure and submit as IFC to	Client Co	nstruction							3/24/2020	6/2/2020			6/2/2020	6/1/2020	6/2/2020	6/2/2020 C	LOSED N	,
Besite DSSD performed a final suppedion and document review on 482/2003 the highlight Tark, The weight of the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the submitted to Nation dark of the review and a subsequent floation with the review and a subsequent floating subsequent to a subsequent floating subsequent to a subsequent floating subseque	SR010-RPT-041	Kiewit performed a closure of the Dry Well next to the Old Propane House without properly notifying National Grid Construction, environmental and G2A. Procedural steps were provided to Klewit Construction Manager by National Grid Construction manager on Friday march 20th, 2020 which outlined the steps and notification requirements for the proposed activity, Kewit performed the work on Monday March 23d without notified the	The Root Cause shall be submitted to National Grid for review and approval and a subsequent discussion shall follow. Additionally a Corrective Action shall be generated as this is a recurring event where	Client Co	nstruction					Corrective Action shall follow the recommended Corrective Action as noted in section "B" above		3/25/2020					6/15/2020			LOSED N	,
SR010-RPT-043 The contract 64400005216 between National Grid and Keel Power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The explorement and power Constructors Co. states in Sec. 320. 67 The e	SR010-RPT-042	(Report 820408 Highand Tank). There were multiple findings during this visit which included (1) 1-1A form requires correction (2) Multiple Xray reports were found to be non-compliant, missing "T" markers, missing acceptance noted on the report (3) PMI esting abrowed low values on nickel composition (4) missing NDE testing parts that whole testing (a) wedler performance qualification records were found to have valuace areas.	The Root Cause shall be submitted to National Grid for review and approval and a subsequent discussion shall follow. Additionally a Corrective Action shall be generated as this is a recurring event where documentation review uncovers multiple findings subsequent to a recent OSSC inspection. All terms as noted in Section 'A' are required	Client OS	SQ Higi Tan	ghland nk		BG				4/16/2020	5/21/2020			5/27/2020	6/26/2020	7/22/2020	7/23/2020 C	CLOSED N	
	SR010-RPT-043	the Scool of work and List of Deliventibles the Contractor shall be responsible for providing warehouse and stronge localities both on or of this. Also action in his scoint's reliable of the constance to store, protect and maintain all exploment and materials in accordance with the SOW, the Supplar's preservation regularements and applacements. The fair large-scene and FAT testing were conducted on 35/2020 and National Grids request for Preservation and Maintenance and inspection necods have not been provided with indicates the FAM for the PCC and instituted restirt all explorements has not been the scene with the SOM for the PCC and instituted restirt all explorements has not been the scene of the scene	Grid or a 3rd party inspector, suitable to National Grid to what ever extern necessary and then any repairs, if applicable, shall be corrected to Nation Grid's satisfaction. Kewin Hall immediately provide a P&M procedure which will include the building and installed electrical gear in accordance with the manufacturer's requirements. The P&M procedure shall provide details of how the prevention requirements will be	Client OS	SQ Cap	pe		н	PDC	Corrective Action shall follow the recommended Corrective Action as noted in section 'S' above											

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	Title Description	Type			1		1				1	ENG	Date	Date Disposition	Propesso -	Date Submitted	1	T	
NCR No.	Recommended Corrective Action	(Internal / Supplier / Client) Actio	n By Vend	dor Disci	ipline Constr Ar	truction Piece of Eq area Affec	quipment cted	Disposition	Disposition & Required Actions	Recommended Preventative Actions	Date Issued	ENG Signature Date	Disposition Submitted to Client	Rejected Elevated Approved By Client	Proposed Closure Date	to Client for Closure	Date Closed	ACTIVE	NGWP
SR010-RPT-044	The Finite Constant requires Kewik to provide Clent with a copy of any Supply Constant within (10) days after request by Oners. National Grids har exequenced Kewik to provide 305 (Suppler Document Schedule) showing quality deliverables and schedule for the Compressor Building contract. As of this writing, the SDB has not been provided.	Client									5/5/2020		5/20/2020	5/20/2020	5/28/2020	5/29/2020	5/29/2020	CLOSED /	0
SR010-RPT-045	The Prime Contract, Verdor Contracts and Verdor and Subcontractor Document Control and Expediting Proceedure provide experiments for Vendors and Subcontractors to provide documentation detervales app automatar process shall use the Vendor Data Moxide of Kright Document (TameBirder). Additional requirements also state the type of quality detiverables required for submittar The CACC program verdormets also state the Vendor Data Moxide of Kright Document (TameBirder). Additional requirements also state the Vendor Data Moxide of Kright Document (TameBirder). Additional requirements also state the Vendor Data Moxide of Kright Document (TameBirder). Additional requirements also state the type of quality detiverables required for submittar The CACC program verdormetors for this entance to submit the quality detiverables are required through height for Owner review and approval. Baction 3.10 of the Contract requires all edition groundements be submitted to Vendor for review and Bactoria.	to ider Client OSSQ	P/H NUCOF	R					The recommended Corrective Action "B" above, shall serve as the disposition for this NCR.		5/5/2020		6/1/2020	6/1/2020	6/15/2020	8/13/2020	8/18/2020	CLOSED	10
SR010-RPT-046	approval prior to construction. The Base julies for the PPC column drawing 102761-00-0000-187R-95-5080 Welder Certifications of Collert review. Keeki tabal also provide detail 1 were modified to use a welder effect of versus the anchor bot as called out. The labrication was performed 1-ste and subsequently installed without Own? NCR will prevent heating of any equipment on the referenced popoval of welding procedure or welder qualification.	This Client Constr	uction						Kiewit shall require the outside fabricator to provide a WPS, PQR and Welder Certifications for Client review. Kiewit shall also provide CMTR's for the base pited and embed or due in this application. This NCR will prevent the setting of any equipment on the referenced foundation until the NCR is closed.		6/2/2020		6/2/2020	6/24/2020		10/6/2020		OPEN	D
SR010-RPT-047	Drawing 102761-B-00-0000-STR-SF-5175 detail 8 shows using Mraf 180N or equal generate later. The 3/d th construction used Mraf 14/N instead of the required 180N. This substitution was not approved by Engineering prior to be placement and a for considered non-compliant with the specification. Pervent for a considered biole the requirement of 102761-B-QT-PRO-0011 Concretive a Preventine Action procedure.	ust Client Constru	uction						National Grid is requiring a Corrective Action Report be initiated for this specific occurrence and the CAR shall cover the procurement, receiving and installation of the non-compaint product. The CAR must follow the requirements of 102761-BQLT-PRC-0011 Corrective and Preventive Action procedure.		6/2/2020		6/2/2020	6/22/2020	6/30/2020	8/12/2020	8/17/2020 0	CLOSED	0
SR010-RPT-048	Kewit procured base plates for the PDC building oxiums from an outside vendor. The base plates required weiding (4) 1° dameter ember tools to the plate in accordance with Kewit RP-00016 registion at the previously designed and holds. The weiding of the method rols was performed and installed. A review of the web procedule and weider qualification records provided from the outside vendor showed the weider the web procedule and weider qualification records provided from the outside vendor showed the weider aquilited to maximum. 34* thickness in accordance with XPR 105. To Lis the overall on weided with " dameter for which was outside the weider 5 qualified to maximum. 34* thickness in accordance with XPR 105. To Lis the overall on weider with " dameter for which was outside the weider 5 qualified timetations. Kewit Salet 5 projekty review and with the potoval.	i Il on Client Constr	uction						The base plates as installed are to be removed and properly welded with qualified welders and replaced by a method suitable to National Grid. The expeated failure by Nexi to bloth we contract and/or procedures will require a Corrective Action Report to be generated on this specific instance which will be submitted by KG preview and approxel. Nexist Engineering has presented an option to the above disposition and will attach the approxed RTI to the NGC as acceptable enderne.		7/15/2020		7/15/2020	7/15/2020			10/15/2020	CLOSED	0
SR010-RPT-049	Servit's Thermal Costrol plan dated Dec. 5, 2019 provides specifications and talerances for mass concrete pour emporature delta between core and new surface. Section 17 ed this specification limits the remportance delta between to core and new core cores surface to an annum of 35 deg. F during the first 4 day. The pour was placed on 5/28/2020 and the attached data log-shows for a period of approximately (B) hours between 5/28/2020 Between 5/28/28/28/28/28/28/28/28/28/28/28/28/28/	Client Constr	uction						The concrete did not exceed the maximum temperature (165 degrees F) per the Thermal Control Plan Table 62.22 (AC 201 28: H) The 35 degree temperature differential, which is a general and simplified recommendation, was exceeded, however acceptance per the Thermal Control Plan is based on the absence of thermal differential induced suble. Advance analys and on to exceeding 165 degrees F. Per the absence referenced table. Advance thermal control english and sublempering the surface of the concrete in question, allowing it to dry slowly and looking for residual difference and therefore per the Thermal Control Plan, which is based on T3 years of ACI research, the concrete is determined to be structurally count and acceptable. Planos attribute.		6/11/2020		7/10/2020	7/15/2000	7/16/2020	7/16/2020	7/16/2020	C1055D 1	0
SR010-RPT-050	Hudson Products, subcontractor to Kewil, submitted their ASME Welding Process Usage Log for National Grid review and the review showed the continuity lacked all traceability to show the weldes welded with their qualified processing of using the previous welding periods are proved by ASME. Sec. K. Hudson is contracted to provide the Air Coxied Heat Exchangers and structural bleet supports for traceability of qualifications and welding continuity.	Client OSSQ	Hudson Product	n tts							6/15/2020		7/8/2020	7/15/2020	//16/2020	11/6/2020	//16/2020		0
SR010-RPT-051	Keel provided National Critical and a package to document current work as performed on the exemporanza building anxietual status and a package to document current work as performed on the Reproductive provided in the seven selection of the seven selection of the seven selection of the execution of the seven of sev	Client OSSQ	P/H NUCOF	R					All walds that were deposited by the above inferenced welders are rejected and must be either cubbat and rewelded or replaced with completely new labicated members. Other alternative corrective method may be submitted to the Client for their approval.		6/16/2020		6/23/2020				8/14/2020		
SR010-RPT-052	O-Some Drev Meter [Some] Specification 102761-5-MEC-SPC-002 atoms A STM A 182 fittings and Targes are attowed but Note Chinese Material (j) in the Falui Limaton social otates that matter is accord to mit a Proprint Republic China is not allowed for Inzardous systems including but not limited for Fale Gasexe. The C-Sorie flow meter housing and various components show the material was manufactured in China as shown by the Material Test Reports. Remove and replace the flow meter with a Q-sorie flo																0/19/2020	10310	0
SR010-RPT-053	APC Crossove fits (1)/APCI Line List shows line 2402 as a Nitrogen Service with a maximum design Pressue 1100 PSG. (2) Chinese Material Rewrit's pressue 2 Containing Material Sourced from The PRC Specification's 102781-8-MEC-SPC-037 under the notes sectors, tasks "Intensitiva of specification fits tables for a fit of the sector of the pressue 100 PSG. (2) material under (200)PSG) design pressue (higher pressue are not included for this material grade.)	Client OSSQ	Aether						Remove and Replace		9/2/2020		11/20/2020			11/20/2020	c	PEN	D
SR010-RPT-054	er Building Incorrect W Patterson HunthNucco Drawings RX8010, RX8020, RX8020, RX8020, RX8020, Building Macada wild detail with a (DVTP) films weld 2-eP staggered on both states of the guisset. The weld out did not meet this requirement which resulted in a weld-out of 2-12° on acch state of the guisset. The weld and did not did not show the accada weld which in our complete with the shop damaing wind deatal	Client Constr.	Patterso	n			Proverti		Additional week will be required to meet the shop detail of (3/167) filled 2-6° traggered weld. Galanting is required to be completely removed to bars metal an initium of 2-3° from the weld area and har exceptions of the final weld the welded area shall be coated with a cold galanting component. MOLOG engineering is stated the drafting of the shape drawing wis incorrect, however welds were performed as intended by structural design. Dewing on each side.		9/9/2020		11-5m			11/10/104	10/8/2020 0	CLOSED	
SR010-RPT-055	PPC DIT Temperature [Section 4.9 Lunis and Scale Raidio of the Contract Scope of VIVois states." Weights and measures shall be in Gauge the English system and instruments sub, sub-momenters, etc., shall be gadauked in English units as the primary scale". The ABB Transformer's of kemperature gauge is calibrated in Cetaus writs.	Client Constru	uction ABB				Replace		Replace the non-compliant temperature monitors with the proper scale as per the contract requirements.		9/9/2020		11.349				10/0/1010	OPEN	D
SR010-RPT-056	EW Storuchard Steel. The East Week Pipe Rack Structural Steel Erection Sequence document 102761-6-3TR MEM-7101 Rev 1 Value Access Retirem platform to the south of column line A between column lines 6 & 7 shall not be erected at this stage. This exclusion is based on completion of the 31 level and having the pipe craft install the piping prior to installation of the access platform.	Client Constru	uction Site								9/9/2020		10/22/2020			10/22/2020		OPEN	D
SR010-RPT-057	Friet construction attempted to install Column A-1 for the Compresso Building and vere unable to complete the task because of review interference with the column keys. The friet construction commended cutting the Column A-to at the American Column A-1 for the Construction commended cutting the Column A-to at the Column A-1 for the Construction commended cutting the American Column A-1 for the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Column A-1 for the Forther Column A-1 for the Commendation Column A-1 for the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Column A-1 for the Compression Building and vere unable to complete the Column A-1 for the Column A	Client Constru	uction Site						Engineering is to evaluate the cut rebar and determine if corrective action is required. Klewit to perform a Root Cause Analysis to investigate the continuing action of performing work without written authorization and submittal to National Grid for review and approval.		9/10/2020						10/21/2020	CLOSED	0
SR010-RPT-058	Cach Sain Nor- Cach Sain Nor- Compliant operating being (LT 9) Point fram project equations that the systems invest elevation and has a potential impact on the overall storm water system operation.	Client Coorter	iction Site								9/10/2020							OPEN	D
SR010-RPT-059	Change of Reingto M. Klenit submitted a net-files draining (bee statubed) () that will change the original grounding pid design Ground Grid at UW around the EXM Pipe task. The disting and changes have not been related by Klenit Engineering and a RPI supporting the changes has not been submitted to National Grid for review and approval.	Client Constru	uction Site						Klewit Engineering shall review the proposed changes and submit a RFI to National Grid for review with proposed red-line drawing showing the necessary changes to be made.		9/11/2020		10/22/2020			10/22/2020		OPEN	o
SR010-RPT-060	Encidian INNS Prime Contract 4400002219 Stoppe VIVeX Section 4.12 Encidence Processive statilies The Contractor shall prove Rack statistics of the Contraction procedure for all Not Racilly explorate and systems to the Owene's representative for information prior to suck exection being carried out on the ViVeX Sile." National Grid requested a NX Dig Rev Rack Encicion Sequence and and was to KH devel fid on them a final docyto document in the time. A point of several site processing without a sub-Initial of the proceeders and Viewel and Market and the time. A point of several site processing without a sub-Initial of the proceeders and Keenet continued to encicle the VSP per Rack Weith is in widdlation of the Contract and code	Client Constr	uction Site								9/18/2020		10/22/2020			10/22/2020		OPEN	5



NCR No.	Title	Description	Recommended Corrective Action	Type (Internal / Supplier / Client)	Action By Ven	dor Discipline	Construction Area	Piece of Equipment Affected	Disposition	Disposition & Required Actions Recommended Preventative Actions	Date Issued	ENG Signature Date	Date Disposition Submitted to Client	cted Elevated			ubmitted ient for Date Close osure	nd ACTIVE	NGWP Activity
SR010-RPT-061		made available to the owner for review and comment at least one week in advance of the commencement of the related Work Site construction activities. Kiewit has placed several pieces of equipment of the project construction activities.	3.21.2 by providing detailed method stated and risk	lient Co	onstruction Site						10/9/20	0					12/9/2020	OPEN	NO
SR010-RPT-062	Copco Booster Compressor	contact with the equipment. The Booster Compressor was received on site and proper storage in	mplete set of requirements for storage of the Booster as noted in the Lay-Up Plan for the L-0309 Compressor. Livity meeting within a week of equipment arrival to cover for initial inspection, preservation and rigging/setting plan. c	lient Co	onstruction Site					Build a tent per section 5.3.2 of the ACC Preservation requirements. Compressor was set 107/2020. Covered with temp par on 108/2020.	10/9/20	0	11/20/2020		12/7/2020	0 1	1/20/2020 12/7/202	120 CLOSED	NO

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