



October 13, 2015



Via Overnight Delivery

Patrick Fahn
Director, Compliance and Competitive Markets
North Dakota Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0480

**RE: Case Nos. PU-10-568, PU-10-666, PU-11-66, PU-11-683 and PU-12-656
Post Construction Inspection Report Follow-up**

ONEOK Rockies Midstream, L.L.C. (“ORM”) received your letter, dated August 28, 2015 (the “Letter”), which requested information identified in Post Construction Inspection Reports prepared for the North Dakota Public Service Commission (“PSC”) associated with the above referenced projects. On September 22, 2015, you granted an extension to ORM until on or before October 16, 2015 to respond to the requests included in the Letter. Accordingly, ORM respectfully submits the below responsive statements and/or enclosed materials.

1. PU-10-568 – Garden Creek Gas Plant, McKenzie County, North Dakota

PSC Request:

As per the post construction inspection report, the following information should be provided:

- *Copy of the air permit and the discharge permit for hydrostatic testing of pipe have not been supplied to the Commission. Order Point No.4 is complete contingent on these permits being supplied to the Commission.*
- *As-built drawings. (Order Point No. 25)*

ORM Response:

See the enclosed materials at Tab A.

The Garden Creek I Plant was issued its North Dakota Air Pollution Control Permit to Construct No. PTC11010 by the North Dakota Department of Health (“NDDH”) on May 10, 2011. Please note that a major source Operating Permit for the Garden Creek Gas Plants has not yet been issued. ORM plans to timely submit the application for the Operating Permit on or before October 31, 2015.

101 **PU-12-656** Filed: 10/14/2015 Pages: 55
Response to Aug. 28, 2015 letter re post
construction inspection report

ONEOK Rockies Midstream, L.L.C.

Geoff Sands, VP, Natural Gas Operations

{00070701 - 1} ONEOK
Partners, L.P.
100 West Fifth Street
Tulsa, OK 74103
www.oneokpartners.com

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The NDDH issued ORM its National Pollutant Discharge Elimination System (“NPDES”) Permit No. NDG070254 on March 18, 2011, authorizing discharge under the General Permit for Temporary Dewatering/Hydrostatic Testing Permit No. NDG070000.

The enclosed “as-built” drawings for the Garden Creek I plant were prepared with the North Dakota Coordinate System (NAD 83).

2. PU-10-666 – Stateline 1 and Stateline 2 Gas Plants, Williams County, North Dakota

PSC Request:

As per the post construction inspection report, the following information should be provided:

- *A copy of the letter of coverage for the storm water pollution prevention plan (SWPPP), a copy of the SHPO approved undiscovered finds plan, and the Department of Health air permit to the Commission. Once all permits and licenses have been supplied to the Commission, the Commission can deem the Company compliant with Order Point No. 4.*
- *As-built drawings. (Order Point Nos. 30 and 31)*

ORM Response:

See the enclosed materials at Tab B.

On April 26, 2011, the NDDH issued NPDES General Permit NDR10-000 for Stormwater Discharges from Construction Activities (Permit ID Number NDR103746).

No new discoveries of cultural or historic sites were encountered during construction. In the attached materials, ORM includes copies of the State Historic Preservation Office (“SHPO”) concurrence letter dated January 10, 2011, and the Undiscovered Finds Plan for the project.

The Stateline I and II Plant was issued its North Dakota Air Pollution Control Permit to Construct No. PTC12041 by the NDDH on July 10, 2013. Please note that a major source Operating Permit for the Stateline Gas Plants has not yet been finalized. ORM submitted the application for the Operating Permit on January 2, 2015.

The enclosed “as-built” drawings for the Stateline I and II plants were prepared with the North Dakota Coordinate System (NAD 83).

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3. PU-11-66 – Garden Creek to Riverview NGL Pipeline, McKenzie County, North Dakota

PSC Request:

As per the post construction inspection report, the following information should be provided:

- *Tree and Shrub Update Reports (Certification Point 20); and*
- *Documentation of re-vegetation surveys and noxious weed surveys (Certification Point 17, 18, 19).*

ORM Response:

At this time, ORM does not have any Tree and Shrub Update Reports to provide. ORM plans to complete the Tree and Shrub Mitigation Plan for the Garden Creek to Riverview Natural Gas Liquids (“NGL”) Pipeline as part of its planned expansion project for its 16-inch Garden Creek Loop NGL Pipeline Project for which ORM’s affiliate, ONEOK Bakken Pipeline, L.L.C., intends to file an application for a Route Permit and Corridor Certificate during October 2015.

In addition, ORM conducted its revegetation efforts for the Garden Creek to Riverview NGL Pipeline as part of its construction stormwater permitting requirements under the state’s General Construction Permit, which has been closed with the NDDH. Under the NDDH General Permit, an applicant has achieved revegetation when the project has obtained a 70% revegetation with permitted native species, which was accomplished for the Garden Creek to Riverview NGL Pipeline.

All revegetation efforts are conducted in accordance with the North Dakota Noxious Weed Statute, NDCC § 4.1-47-02, which does not require separate noxious weed surveys.

4. PU-11-683 – Stateline NGL Pipeline, Williams County, North Dakota

PSC Request:

As per the post construction inspection report, the following information should be provided:

- *Verification that design, construction and operation is in compliance with US DOT 49 CFR Parts 194 and 195 (Certification Points 7 and 9);*
- *Report on presence or lack thereof of threatened or endangered species, bald or golden eagles during construction (Certification Point 11);*
- *Verification that fencing and warning signs were installed around block valves (Certification Point 9);*
- *Verification that wetland disturbances were permitted, or mitigation measures used during construction to minimize disturbances to wetland areas (Certification Point 4);*

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- *Documentation of noxious weed management procedures used during construction (Certification Point 26); and*
- *Verification of final reclamation and establishment of vegetation including documentation that Canada thistle did not spread post-construction (Certification Points 18-20).*

ORM Response:

See the enclosed materials at Tab C.

In addition, please note that the Stateline NGL Pipeline is a natural gas liquids pipeline, which was constructed and is operated in accordance with 49 CFR Part 195. The Pipeline Hazardous Materials Safety Administration (“PHMSA”) conducted separate audits of the pipeline during construction, hydrostatic testing, and operation of the pipeline to verify its compliance under 49 CFR Part 195. The construction audits occurred during July and August 2012. The hydrostatic test audit occurred on August 28, 2012. The operation audit occurred between July 7 -10, 2014. ORM received no indications or responses from PHMSA to indicate that the pipeline was not constructed, tested or operated in accordance with 49 CFR Part 195.

No critical habitat or threatened species, endangered species, bald eagles, or golden eagles were observed during ORM’s pre-construction pedestrian survey of the project area. Additionally, none were observed to be present in the permit area during construction activity.

ORM has enclosed copies of the photographs of fencing and warning signs around all block valves.

The Stateline NGL Pipeline was constructed under the authorization of U.S. Army Corps of Engineers Nationwide Permit 12 (“NWP12”). As authorized, the NWP12 conditions were followed to avoid and minimize wetland disturbances.

Please also see the above response on the Garden Creek to Riverview NGL Pipeline project on the subjects of revegetation and noxious weed management. ORM verifies that during construction the appropriate mitigation measures were applied to prevent the spread of Canada Thistle located south of Highway 2 (Approx Mile Post 7.4). ONEOK has inspected the area surrounding the identified location and will continue to work to mitigate for any spread of the species.

5. PU-12-656 – Garden Creek II Gas Plant, McKenzie County, North Dakota

PSC Request:

The post construction report was issued on April 30, 2015. As per the post construction inspection report, the following information should be provided:

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- *Verification that McKenzie County approved the zoning change for the property that the project is located on. (Certification Relating to Order Provisions 3)*
- *Weekly reports for the weeks of 09/29/2013, 04/27/2014, 05/04/2014, and 08/10/2014. (Certification Relating to Order Provisions 5)*
- *As-built drawings. (Certification Relating to Order Provisions 32)*
- *Verification that a USFWS consultation response was received on March 26, 2012. (Certification Relating to Order Provisions 3)*
- *Verification that the following permits were received: Air Pollution Control permit Operating Permit*
- *Construction Storm Water Discharge Permit*
- *Temporary Construction Site Dewatering Permit*
- *Hydrostatic Test Water Discharge Permit (Certification Relating to Order Provisions 3)*

ORM Response:

See the enclosed materials at Tab D.

The Garden Creek II Plant was issued its North Dakota Air Pollution Control Permit to Construct No. PTC13034 by the NDDH on May 6, 2013. Please note that a major source Operating Permit for the Garden Creek Gas Plants has not yet been issued. ORM plans to timely submit the application for the Operating Permit on or before October 31, 2015.

ORM verifies that a USFWS consultation response was received on March 26, 2012. Please reference the letter to USFWS dated February 9, 2012 and note the USFWS stamp at the bottom of the page dated March 26, 2012 that confirms their concurrence with ORM's findings.

A separate Temporary Construction Site Dewatering Permit was not required and is not applicable to this project. The dewatering conducted for this project is authorized under the Stormwater Discharge from Construction Activities NPDES General Permit NDR10-000 (Permit ID Number NDR103445). Additionally, this project is covered under NPDES Permit No. NDG070416, which authorizes discharge under the General Permit for Temporary Dewatering/Hydrostatic Testing Permit NDG070000.

Based on the above statements and enclosed materials, ORM believes it has complied with all items ordered by the PSC for the referenced projects.

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Thank you for your attention to the foregoing and enclosed materials. Please contact me with any questions or concerns you may have.

Sincerely,

A handwritten signature in black ink, appearing to read "Geoff A. Sands". The signature is fluid and cursive, with the first name "Geoff" and last name "Sands" clearly legible.

Geoff A. Sands
Vice President, Natural Gas Gathering and Processing Operations

Enclosures

cc: Wesley J. Christensen, Senior Vice President, Operations (w/out encl.)
Walter L. Allen, Vice President, NGL Pipelines and Terminals (w/out encl.)
Brian Boulter, Vice President, Construction Projects (w/out encl.)

Tab D

PU-12-656 – Garden Creek II Gas Plant, McKenzie County, North Dakota

- McKenzie County approved zoning change for property
(2013-09-18 Letter to ONEOK from Assistant Planner, McKenzie County)
- Weekly reports for the weeks of 09/29/2013, 04/27/2014, 05/04/2014, and 08/10/2014
- Drawings (Garden Creek I, II, III)
- Verification that a USFWS consultation response was received 3/26/2012
- North Dakota Air Pollution Control Permit – Construct No. PTC13034
- North Dakota Air Pollution Control Permit – Construct No. PTC13044
- Construction Storm Water Discharge Permit
- Hydrostatic Test Water Discharge Permit

September 18, 2013

Oneok
2701 Lincoln Ave SE
Sidney MT 59270
Attn: Dick VandeBossche

Mr. VandeBossche:

This is to inform you that, at their September 17th meeting, the McKenzie County Board of Commissioners approved the Comprehensive Plan Amendment and Zone Change to Industrial and Conditional Use Permit for property located in the N1/2 and the SE1/4, Section 35, T151N R98W.

Keep in mind that the following conditions were placed on the project.

1. Obtain a building permit for the proposed structures within the proposed development and the existing office trailers that exist onsite at this time as well
2. Work with the Planning Director on an updated exterior site plan that incorporates security lighting and a landscaping plan (trees) to be approved and placed in the file as part of this conditional approval
3. Do not deposit any snow or water onto the neighboring properties and dispose of storm water onsite through an approved engineering method. Additionally, design a storm water and culvert system to convey a 25 year event. It is suggested that onsite storm water storage is provided so the county drainage swales are not inundated with onsite water runoff during a storm that exceeds a 25 year event.
4. Post the address clearly on site and provide a project sign (4'x8') on site to identify the project at their entrance and along the southwest corner of the property
5. The conditional use permit will be reviewed annually for conformance with the conditions of approval, if conditions are not adhered to, the permit can be placed on the Planning Commission agenda for possible revocation
6. Adhere to all agreement items listed in the application in regard to the County Engineer's approval for access/approach
7. Adhere to all Federal and State laws, regulations and conditions for the operation of the facility
8. Share all final approvals and continuing approvals/reviews with the County/State/Federal agencies as they are obtained or altered, along with any violations and as it relates to this conditional use approval for the CUP file
9. Work with the Planning Director on a dust control program and tracking during construction and operation on site to not create a nuisance to the neighboring property owners and the traveling public. You can participate with the county or lead a private effort to provide dust control on and off site for the neighboring property owners from their site to Highway 85
10. All lighting shall be downward facing and shall not glare on adjacent property owners or the public travel ways
11. Remain current with all property taxes
12. Submit a weed control plan and have it approved by the County Weed control office
13. Submit a bond equaling 150% of an engineer's estimate or other form of financial security to be approved by the McKenzie County Zoning Legal Counsel to reclaim/remediate the site when the use is not planned to be utilized any further

14. The approval is for the direct operation of three gas plant facilities only and the required accessory structures to operate the same, any new uses planned onsite would need to gain zoning approval prior to the work commencing onsite
15. An approved emergency plan should be submitted and updated with the county for this facility annually so that emergency responders understand what does existing onsite and the risks that would face them during response to an incident.

If you have any questions, please feel free to call.

Sincerely,

Jill Edson
Asst. Planner
McKenzie County



Weekly Construction Progress Report

Case #: PU-12-656
Project: Garden Creek II & III
Week Ending: September 29, 2013

Title	Name	Company	Office Phone	Cell Phone
Site Manager	David Ballard	Linde Process	---	713-304-6966
Site Foreman	Jerry Pete	Linde Process	---	337-368-5438
Proj. Manager	Russ Clark	ORM	918-561-8053	303-345-4310
Plant Supervisor	Chris Carroll	ORM	701-842-7611	405-714-1156

Brief Description of Week's Activities

Garden Creek II: Continued to tie rebar and pour concrete for base elbows. Continued installing piping sleepers and backfill areas around completed foundations. Continued to install underground piping and ductbank. Continued receiving equipment and structural steel. Formed footers for transformers and lightpole foundations.

Garden Creek III: Continued to install grounding grids and temporary electrical power. Tied rebar and poured concrete for equipment foundations and base elbows.

Significant Work Activity for Next Week

Garden Creek II: Continue installing ductbank and backfilling completed underground piping. Backfill areas around completed foundations.

Garden Creek III: Continue installing grounding grids. Continue the installation of underground duct bank. Continue to install concrete foundations and backfill areas once complete. Pour concrete for the residue compressor building.

Garden Creek II Completion Percentiles

Description	% Complete	Description	% Complete
Site preparation	92 %	Final Site Cleanup	0 %
Plant Foundations	66 %	Buildings	5 %
Admin. Bldg	1 %	Plant Electrical Power	0 %
Mechanical	12 %	Instrumentation	0 %



Garden Creek III Completion Percentiles			
Description	% Complete	Description	% Complete
Site preparation	90 %	Final Site Cleanup	0 %
Plant Foundations	45 %	Buildings	3 %
Warehouse	3 %	Plant Electrical Power	0 %
Mechanical	0 %	Instrumentation	0 %

Project Site Safety
Zero Tolerance Safety Policy Onsite

Comments
We continue to hold daily safety meetings. Worked 7 days this week to take advantage of good weather.

Signatory	Date
Russ Clark	10/11/13



Weekly Construction Progress Report

Case #: PU-12-656
Project: Garden Creek II & III
Week Ending: April 27, 2014

Title	Name	Company	Office Phone	Cell Phone
Site Manager	David Ballard	Linde Process	701-842-3405	713-304-6966
Site Foreman	Jerry Pete	Linde Process	---	337-368-5438
Proj. Manager	Russ Clark	ORM	918-561-8053	303-345-4310
Plant Supervisor	Kris Johnsrud	ORM	701-842-7611	---

Brief Description of Week's Activities

Garden Creek II: Continued to install aboveground piping in the main plant area and inside the compressor buildings. Continue to install cable tray, pull cable and continue installing insulation. Continue electrical installation on the warehouse building. Continue terminations in PDC building when foul weather prevented pulling cable. Continue construction on the office building expansion. Performed site dewatering work as necessary.

Garden Creek III: Continue installing vessel insulation. Continue to install cable tray. Work on aboveground piping inside compressor buildings. Offloaded hot oil heater and set the flare.

Significant Work Activity for Next Week

Garden Creek II: Continue to install aboveground piping in the main plant area and inside compressor buildings. Continue to install cable tray, pull cable and wiring terminations. Continue to install insulation. Continue construction on the warehouse building and office building expansion. Install miscellaneous platforms and ladders.

Garden Creek III: Continue increasing staffing this week. Continue installing insulation. Continue construction on compressor buildings and installing some equipment. Continue to install aboveground piping and cable tray.

Garden Creek II Completion Percentiles

Description	% Complete	Description	% Complete
Site preparation	96 %	Final Site Cleanup	0 %
Plant Foundations	98 %	Buildings	78 %
Admin. Bldg	83 %	Plant Electrical Power	52 %
Mechanical	84 %	Instrumentation	40 %



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ROCKIES MIDSTREAM
A SUBSIDIARY OF ONEOK PARTNERS

Garden Creek III Completion Percentiles			
Description	% Complete	Description	% Complete
Site preparation	95 %	Final Site Cleanup	0 %
Plant Foundations	93 %	Buildings	61 %
Warehouse	96 %	Plant Electrical Power	6 %
Mechanical	32 %	Instrumentation	8 %

Project Site Safety
Zero Tolerance Safety Policy Onsite

Comments

Signatory	Date
Russ Clark	4/30/14



Weekly Construction Progress Report

Case #: PU-12-656
Project: Garden Creek II & III
Week Ending: May 04, 2014

Title	Name	Company	Office Phone	Cell Phone
Site Manager	David Ballard	Linde Process	701-842-3405	713-304-6966
Site Foreman	Jerry Pete	Linde Process	---	337-368-5438
Proj. Manager	Russ Clark	ORM	918-561-8053	303-345-4310
Plant Supervisor	Kris Johnsrud	ORM	701-842-7611	---

Brief Description of Week's Activities

Garden Creek II: Began pneumatic testing and line blows of piping in the main plant area and inside the compressor buildings. Cable tray is installed. Contractor continues to pull cable and continue installing insulation. Complete electrical installation on the warehouse building. Continue terminations in PDC building when foul weather prevented pulling cable. Complete physical construction on the office building expansion. Performed site dewatering work as necessary.

Garden Creek III: Continue installing vessel insulation. Continue to install cable tray. Work on aboveground piping inside compressor buildings. Energize transformers.

Significant Work Activity for Next Week

Garden Creek II: Begin to pneumatic test aboveground piping in the main plant area and inside compressor buildings. Continue to pull cable and wiring terminations, particularly in the PDC building when foul weather hits. Continue to install insulation. Install miscellaneous platforms and ladders.

Garden Creek III: Continue increasing staffing this week. Continue installing insulation. Continue construction on compressor buildings and installing some equipment. Continue to install aboveground piping and cable tray.

Garden Creek II Completion Percentiles

Description	% Complete	Description	% Complete
Site preparation	96 %	Final Site Cleanup	0 %
Plant Foundations	98 %	Buildings	85 %
Admin. Bldg	90 %	Plant Electrical Power	65 %
Mechanical	89 %	Instrumentation	50 %



Garden Creek III Completion Percentiles			
Description	% Complete	Description	% Complete
Site preparation	95 %	Final Site Cleanup	0 %
Plant Foundations	95 %	Buildings	66 %
Warehouse	99 %	Plant Electrical Power	12 %
Mechanical	36 %	Instrumentation	11 %

Project Site Safety
Zero Tolerance Safety Policy Onsite

Comments

Signatory	Date
Russ Clark	5/7/14



Weekly Construction Progress Report

Case #: PU-12-656
Project: Garden Creek II & III
Week Ending: August 10, 2014

Title	Name	Company	Office Phone	Cell Phone
Site Manager	David Ballard	Linde Process	701-842-3405	713-304-6966
Site Foreman	Jerry Pete	Linde Process	---	337-368-5438
Proj. Manager	Kyle Corrie	ORM	918-561-8006	918-704-2752
Plant Supervisor	Kris Johnsrud	ORM	701-842-7611	---

Brief Description of Week's Activities

Garden Creek II: Performed site dewatering work as necessary. Completed nitrogen purge. Began sweet gas purge and dryout. Commissioned the residue compressors, regen compressors, hot oil heater, and hot oil pumps. Loaded propane into the refrigerant system.

Garden Creek III: Continue installing insulation. Continue to install cable tray. Continue wire pulls and begin installing instruments. Continue to install lighting. Work on aboveground piping and installing pipe rack. Continue installing structural steel in residue compressor building. Continue pneumatic testing and cleaning out piping on completed systems.

Significant Work Activity for Next Week

Garden Creek II: Complete plant dryout. Bring raw inlet gas into the plant. Commission the stabilizer system and cryo system in JT mode.

Garden Creek III: Continue installing insulation. Continue to install aboveground piping and cable tray. Continue to pull wire, install instruments, and install lighting. Continue installing structural steel in compressor buildings. Continue pneumatic testing and cleaning out piping on completed systems. Begin terminations in the PDC building.

Garden Creek II Completion Percentiles

Description	% Complete	Description	% Complete
Site preparation	100 %	Final Site Cleanup	70 %
Plant Foundations	100 %	Buildings	100 %
Admin. Bldg	99 %	Plant Electrical Power	100 %
Mechanical	100 %	Instrumentation	100 %



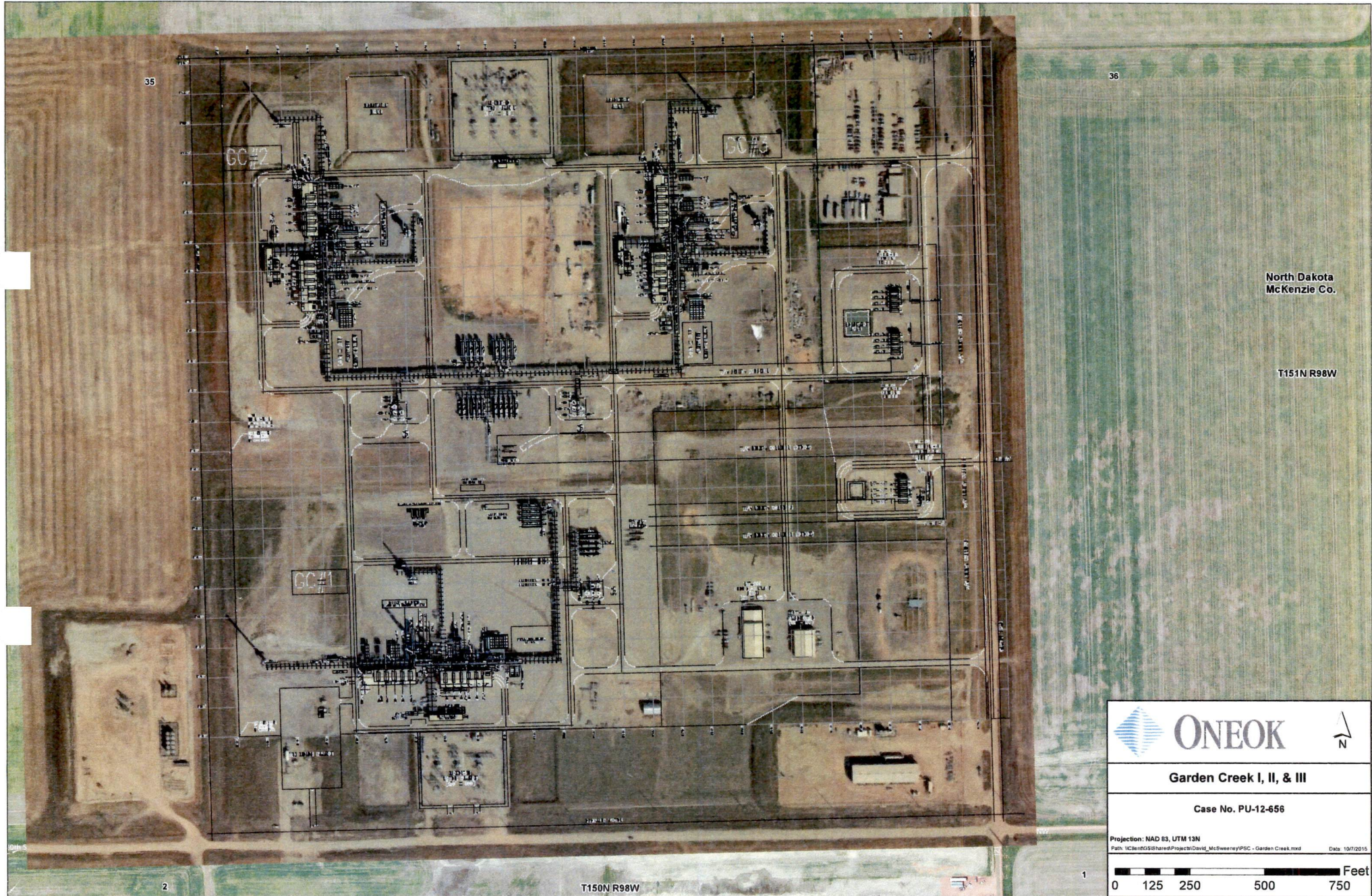
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Garden Creek III Completion Percentiles			
Description	% Complete	Description	% Complete
Site preparation	97 %	Final Site Cleanup	0 %
Plant Foundations	96 %	Buildings	94 %
Warehouse	100 %	Plant Electrical Power	55 %
Mechanical	71 %	Instrumentation	50 %

Project Site Safety
Zero Tolerance Safety Policy Onsite




Comments

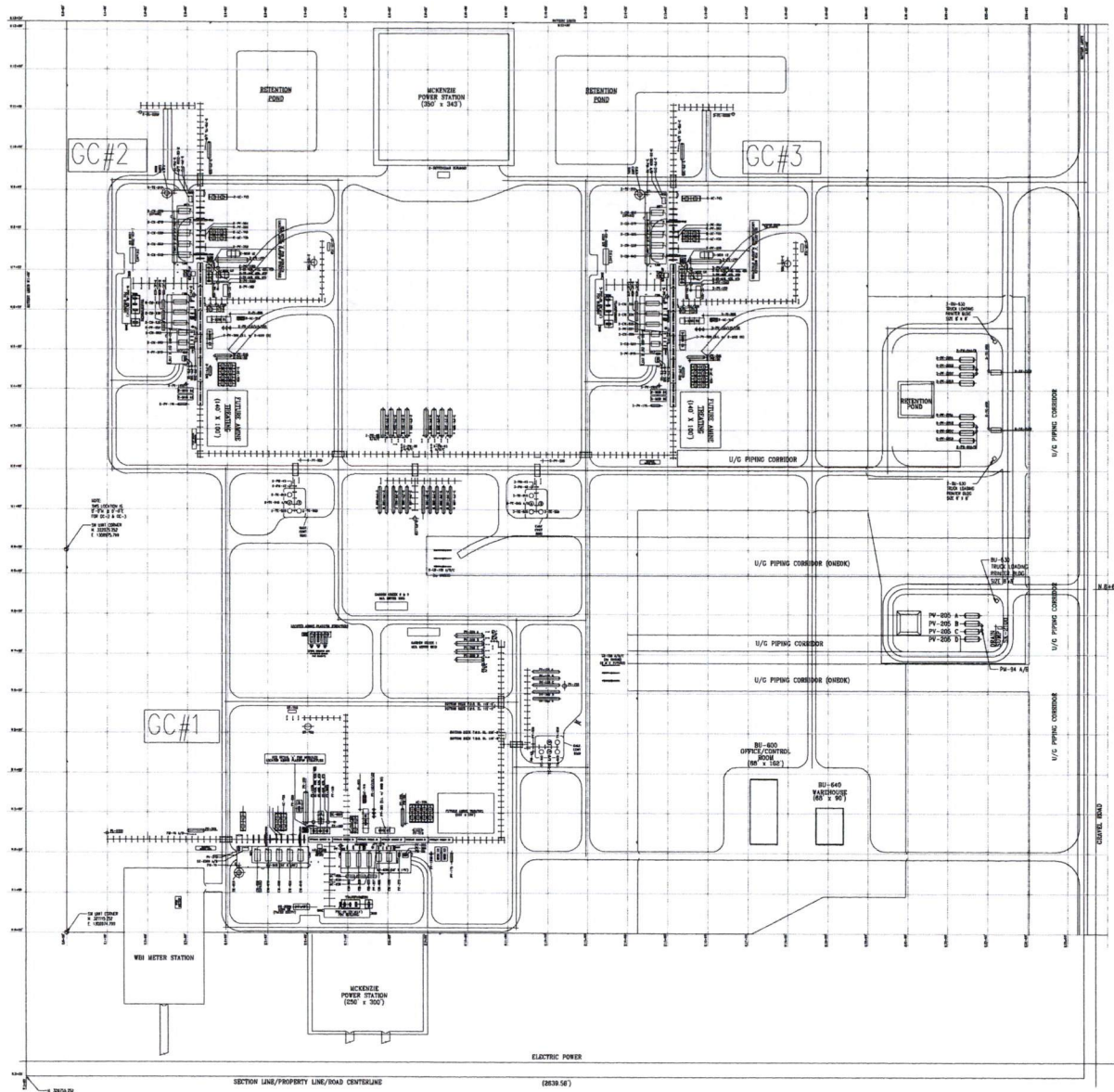
Signatory	Date
Kyle Corrie	9/20/14



North Dakota
McKenzie Co.

T151N R98W

 	
Garden Creek I, II, & III	
Case No. PU-12-656	
<small>Projection: NAD 83, UTM 13N Path: \\Client\GSS\Shared\Projects\David_McSweeney\PSC - Garden Creek.mxd Date: 10/7/2015</small>	
Feet	
	

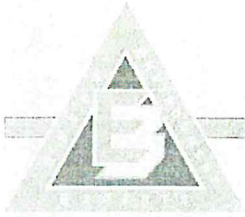


MODULE EQUIPMENT LEGEND

- MODULE 01 - PROCESS MODULE**
 CM-620 A/B REGENERATION GAS COMPRESSORS (B-SPARE)
 FI-810 A/B INLET GASE FILTERS
 PV-130 REGENERATION GAS SCRUBBER
- MODULE 02 - PUMP MODULE**
 PM-10 A/B LFCF BOTTOMS PUMPS
 PM-45 METHANOL NUCLEON PUMP
 PV-360 METHANOL VESSEL
- MODULE 03 - STABILIZER MODULE NO. 1**
 EX-507 SLUG CATCHER LIQUID HEATER
 EX-515 FEED/BOTTOMS EXCHANGER
 FI-885 A/B STABILIZER COARSE FILTERS
 FI-870 A/B STABILIZER CLAY FILTERS
 FI-890 A/B STABILIZER FINE FILTERS
- MODULE 04 - STABILIZER MODULE NO. 2**
 EX-520 A/B STABILIZER REBOILERS
- MODULE 05 - HOT OIL MODULE**
 EX-525 A/B FEED GAS HEATER
 EX-555 FUEL GAS HEATER
 HE-555 START-UP FUEL GAS HEATER
 FI-815 A/B INLET GAS FILTERS
 PM-10 A/B HOT OIL PUMPS
 PV-140 FUEL GAS SCRUBBER
 PV-360 HOT OIL EXPANSION TANK (S.L.)
- MODULE 06 - REGENERATION MODULE**
 PV-220 REFRIGERANT DISENGAGING VESSEL
- MODULE 07 - REGENERATION MODULE**
 PV-225 REFRIGERANT DISENGAGING VESSEL
- MODULE 08 - REGENERATION MODULE**
 PV-230 REFRIGERANT DISENGAGING VESSEL
- MODULE 12 - HETC PUMP MODULE**
 PM-25 A/D HETC BOTTOM PUMPS
- MODULE 20 THRU 25 - PYREXACK MODULES (NO EQUIPMENT)**

OFF-MODULE EQUIPMENT LEGEND

- AC-625 REFRIGERATION COMPRESSOR COOLER
 AC-630 REFRIGERATION COMPRESSOR COOLER
 AC-635 REFRIGERATION COMPRESSOR COOLER
 AC-710 REFRIGERATION GAS COOLER
 AC-715 EXPANDER/COMPRESSOR DISCHARGE COOLER
 AC-720 PRODUCT COOLER
 AC-730 REFRIGERANT CONDENSER
 AC-735 RESOLVE GAS COMP. 1st STAGE DISCH COOLER
 AC-740 RESOLVE GAS COMP. 2nd STAGE DISCH COOLER
 AC-745 RESOLVE GAS COMP. 3rd STAGE DISCH COOLER
- CM-655 REFRIGERATION COMPRESSORS
 CM-630 REFRIGERATION COMPRESSORS
 CM-635 REFRIGERATION COMPRESSORS
 CM-640 RESOLVE GAS COMPRESSOR
 CM-650 RESOLVE GAS COMPRESSOR
 CM-660 RESOLVE GAS COMPRESSOR
 CM-670 RESOLVE GAS COMPRESSOR
 CM-680 RESOLVE GAS COMPRESSOR (SPARE)
 CM-690 STABILIZER OVERHEAD COMPRESSOR
 CM-695 STABILIZER OVERHEAD COMPRESSOR
- EC-600 EXPANDER/COMPRESSOR
- PLATEFIN
- EX-430 HETC SIDE HEATER
 EX-440 HETC REBOILER
 EX-450 PRODUCT EXCHANGER
 EX-465 FEED GAS CHILLER
- PLATEFIN
- EX-400 GAS/GAS EXCHANGER
 EX-425 REGENERATION GAS EXCHANGER
 EX-470 FEED GAS CHILLER
- PLATEFIN
- EX-410 COLD GAS/GAS EXCHANGER
 EX-420 SUB-COOLER
 EX-475 REFRIGERANT COOLER
 EX-480 TRM REBOILER
- FI-800 INLET GAS FILTER SEPARATOR
- FL-2200 FLARE
- GM-2500 GENERATOR
- HT-750 REGENERATION GAS HEATER
 HT-780 HOT OIL HEATER
- LR-100 A/C PG RECEIVERS (B & C FUTURE) (BY DNECK)
- PM-42 METHANOL PUMP
 PM-43 METHANOL TRANSFER PUMP
 PM-72 LURE OIL PUMP
 PM-75 A/B FLARE LIQUIDS PUMPS
 PM-80 A/C PRODUCT BOOSTER PUMPS
 PM-85 A/C PRODUCT PIPELINE PUMPS
 PM-92 SLIP WATER PUMP
 PM-94 A/B CONDENSATE PUMP
 PM-98 PROPANE MAKEUP PUMP
- PV-100 A/E FEED GAS SLUG CATCHERS
 PV-110 DEHYDRATOR
 PV-115 DEHYDRATOR
 PV-120 DEHYDRATOR
 PV-150 INLET GAS RECEIVER
 PV-160 COLD SEPARATOR
 PV-175 STABILIZER FEED SEPARATOR
 PV-190 PRODUCT SURGE TANK
 PV-200 A/D PRODUCT STORAGE VESSEL
 PV-205 A/D CONDENSATE STORAGE VESSEL
 PV-210 REFRIGERANT SURGE VESSEL
 PV-215 REFRIGERANT EXCHANGER
 PV-240 LOW STAGE SUCTION SCRUBBER
 PV-245 PROPANE MAKEUP VESSEL
 PV-255 STABILIZER OVERHEAD SCRUBBER
 PV-257 FLASH GAS SCRUBBER
 PV-260 RESOLVE GAS 1st STAGE SUCTION SCRUBBER
 PV-262 RESOLVE GAS 2nd STAGE SUCTION SCRUBBER
 PV-264 RESOLVE GAS 3rd STAGE SUCTION SCRUBBER
 PV-285 INTERMEDIATE FLASH VESSEL
 PV-305 SLIP WATER VESSEL
 PV-310 LURE OIL DAY TANK
 PV-372 FLARE SEPARATOR
 PV-395 PV-1000 LIGHT ENDS FRACTIONATION COLUMN (LFCF)
 PV-1100 HEAVY ENDS FRACTIONATION COLUMN (HETC)
 PV-1900 STABILIZER
- SK-2100 TRUCK LOADING SKID
 SK-2300 A/B INSTRUMENT AIR PACKAGE
- TK-910 LURE OIL STORAGE TANK #/ ZZ-910
 TK-920 PCC DOUBLE WALL TANK
 TK-915 METHANOL TANK
 TK-925 USED OIL TANK #/ ZZ-925
 TK-945 A/B SLIP WATER TANKS #/ ZZ-945 A/B
 TK-950 SLIP TANK
- BUILDINGS**
- BU-600 OFFICE/CONTROL ROOM
 BU-610 RESOLVE GAS COMPRESSOR BUILDING
 BU-620 REFRIGERANT COMPRESSOR BUILDING
 BU-630 TRUCK LOADING POWER BUILDING
 BU-980 ANALYZER BUILDING
 POC-01 POC BUILDING
 BU-640 WARDHOUSE



817 Vandalia Street
Suite 100
St Paul, MN 55114

February 9, 2012

Mr. Jeffrey Towner, Field Supervisor
U.S. Fish and Wildlife Service
North Dakota Field Office
3425 Miriam Avenue
Bismarck, ND 58501-7926

RE: ONEOK Rockies Midstream, L.L.C. – Commercial Property Development
Federally Listed Species, USFWS Managed Lands, and Migratory Bird
Consultation

ONEOK Rockies Midstream, L.L.C. (ORM), a subsidiary of ONEOK Partners, L.P., Tulsa, Oklahoma, is considering further commercial development of the property adjacent to its existing Garden Creek Gas Plant. The parcel under consideration is the 80 acre plot as depicted on the attached map. Currently the project under consideration would be constructed during the 2nd or 3rd quarter of 2012 and would require approximately 18 months to complete.

The development ORM is considering is located in the SE 1/4 of Section 35, Township 151N, and Range 98W of McKenzie County, North Dakota. Aerial photographs and topographic maps of the project location are attached.

The purpose of this request is to compile U.S. Fish and Wildlife Service's (USFWS) comments on environmental topics that are relevant to the North Dakota Public Service Commission's (PSC) siting requirements for Energy Conversion facilities. On February 8th, 2012, E3 conducted a web-based consultation using USFWS's IPaC system. This request has been prepared to augment that effort and facilitate a thorough project review.

Federally Listed Species Analysis:

The results of the search on February 9th, 2012 found the following:

Whooping crane (*Grus americana*) – Endangered
Sprague's pipit (*Anthus spagueii*) - Candidate
Piping plover (*Charadrius melodus*) – Threatened
Least tern (*Sternula antillarum*) – Endangered
Pallid sturgeon (*Scaphirhynchus albus*) – Endangered
Dakota skipper (*Hesperia dacotae*) – Candidate
Black-footed ferret (*Mustela nigripes*) - Endangered
Gray wolf (*Canis lupus*) – Endangered

ORM Rockies Midstream L.L.C.
Commercial Property Development
February, 2012



ORM also understands that in North Dakota, the breeding season is typically defined as occurring annually from February 1 through July 15.

In recognition of these facts, ORM is considering construction during the 2nd and 3rd quarter of 2012 and maintain an active construction site through plan commissioning and final restoration which is anticipated to occur approximately 18 months later. The proposed project schedule would take place during the 2012 breeding season, however is directly adjacent to the existing Garden Creek Gas Plant. Migrants returning to this area have already encountered an active site which serves as a deterrent to breeding birds. ORM seeks confirmation that the proposed measures adequately avoid and mitigate potential impacts to migratory birds.

E3 Environmental, LLC has been retained by ORM to provide environmental consulting support for this project. Should you have any questions or require additional information, please contact me at 651.282.0650 or wmcCarthy@go2e3.com.

Sincerely,

William F. McCarthy
Project Manager
E3 Environmental, LLC

Enclosures: Project maps – USGS topographic
Aerial photograph

cc: E3 Project Files

U.S. FISH AND WILDLIFE SERVICE
ECOLOGICAL SERVICES
ND FIELD OFFICE

Project as described will have no significant impact on fish and wildlife resources. No endangered or threatened species are known to occupy the project area and/or are not likely to be adversely affected. IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT PLANS FOR REVIEW.

3-26-12 *Jeffrey K. Towner*
Date Jeffrey K. Towner
Field Supervisor



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov



May 6, 2013

RECEIVED

MAY 10 2013

ONEOK
CORP ENVIRONMENTAL

Ms. Deborah Perry-Chambers
ONEOK Rockies Midstream
P.O. Box 871
Tulsa, OK 74102-0871

Re: Air Pollution Control
Permit to Construct

Dear Ms. Perry-Chambers:

Pursuant to the Air Pollution Control Rules of the State of North Dakota, the Department of Health has completed final review of your application to obtain a Permit to Construct for an **expansion** (referred to as "Garden Creek II") of the existing Garden Creek Gas Plant located in McKenzie County, North Dakota.

Based on the results of the documents reviewed, this Department hereby issues the enclosed North Dakota Air Pollution Control Permit to Construct No. PTC13034.

Please advise the Department within 15 days after completing the project to allow for an inspection by the Department.

Note that the above-referenced permit addresses only air quality requirements applicable to your facility. Other divisions (Water Quality, Waste Management and Municipal Facilities) within the Environmental Health Section may have additional requirements. Contact information for the various divisions is listed at the bottom of this letter.

If you have any questions regarding air quality, please contact me at (701)328-5188.

Sincerely,

Craig D. Thorstenson
Environmental Engineer
Division of Air Quality

CDT:saj
Enc:

NGGP ENVIRONMENTAL	
Original to CES for Review: 1) Deb <u>DP</u>	2) Lynn <u>ML</u>
pdf to ES*: BM__ KL__ TM__ <u>(MA)</u>	<u>(JL)</u> JJ__
*To be Saved to SharePoint by ES	
pdf to Ops Mgr: BH__ PA__ KO__ EM__ JK__	<u>(DVB)</u> DV__ CC__ AK__ MA__
pdf to Ops/Engr/Other: <u>Cris Cox</u>	
pdf to Tester: MikeW-Great Plain (OK & KS)___	ChrisK-Oasis (WY)___
	EdW-EEMC (ND & MT)___
pdf for EIMS: Renberg <u>✓</u>	
pdf Scan to Above/File (Date/By)	<u>5-21-13 98</u>

Environmental Health
Section Chief's Office
701.328.5150

Division of
Air Quality
701.328.5188

Division of
Municipal Facilities
701.328.5211

Division of
Waste Management
701.328.5166

Division of
Water Quality
701.328.5210



**AIR POLLUTION CONTROL
PERMIT TO CONSTRUCT**

Pursuant to Chapter 23-25 of the North Dakota Century Code, and the Air Pollution Control Rules of the State of North Dakota (Article 33-15 of the North Dakota Administrative Code), and in reliance on statements and representations heretofore made by the owner designated below, a Permit to Construct is hereby issued authorizing such owner to construct and initially operate the source unit(s) at the location designated below. This Permit to Construct is subject to all applicable rules and orders now or hereafter in effect of the North Dakota Department of Health and to any conditions specified below:

I. General Information:

A. **Permit to Construct Number:** PTC13034

B. Source:

1. Name: Garden Creek Gas Plant
2. Location: SE ¼, Sec. 35, T151N, R98W
McKenzie County, North Dakota
3. Source Type: Natural Gas Processing Plant
4. Equipment at the Facility:

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas	H-1	H-1	None
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas*	H-1A	H-1A	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas	H-2	H-2	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas*	H-2A	H-2A	None
210 barrel (8,820 gallon) methanol storage tank	TK-METH	TK-METH	Submerged Fill Pipe
210 barrel (8,820 gallon) methanol storage tank*	TK-METH2	TK-METH2	Submerged Fill Pipe

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas	EGEN	EGEN	None
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas*	EGEN2	EGEN2	None
Truck loading	TL-1	TL-1	None
Truck loading*	TL-2	TL-2	None
Flare	FL-1	FL-1	None
Flare*	FL-2	FL-2	None
Fugitive emissions	FUG	FUG	None

* New equipment added with this modification (which is referred to as "Garden Creek II"). All other equipment is existing equipment.

C. Owner/Operator (Permit Applicant):

1. Name: ONEOK Rockies Midstream, LLC
2. Address: P.O. Box 871
Tulsa, OK 74102-0871
3. Application Date: February 4, 2013

II. **Conditions:** This Permit to Construct allows the construction and initial operation of the above-mentioned new or modified equipment at the source. The source may be operated under this Permit to Construct until a Permit to Operate is issued unless this permit is suspended or revoked. The source is subject to all applicable rules, regulations, and orders now or hereafter in effect of the North Dakota Department of Health and to the conditions specified below.

A. **Emission Limits:** Emission limits from the operation of the source unit(s) identified in Item I.B of this Permit to Construct (hereafter referred to as "permit") are as follows. Source units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Emission Unit Description	EU	EP	Pollutant / Parameter	Emission Limit*
Hot oil heater rated at 50.2 MMBtu/hr	H-1	H-1	Opacity	20% (40%**)
Hot oil heater rated at 50.2 MMBtu/hr	H-1A	H-1A	Opacity	20% (40%**)
Hot oil heater rated at 4.9 MMBtu/hr	H-2	H-2	Opacity	20% (40%**)
Hot oil heater rated at 4.9 MMBtu/hr	H-2A	H-2A	Opacity	20% (40%**)
Engine-driven generator*	EGEN	EGEN	Opacity	20% (40%**)
Engine-driven generator*	EGEN2	EGEN2	Opacity	20% (40%**)
Flare	FL-1	FL-1	Opacity	20% (60%**)

Emission Unit Description	EU	EP	Pollutant / Parameter	Emission Limit*
Flare	FL-2	FL-2	Opacity	20% (60%**)

* If applicable, the engine must also comply with NOx, CO and VOC emission limits established in 40 CFR 60, Subpart JJJJ. The potential to emit for a generator set is based on operating no more than 500 hours per year.

** Permissible for not more than one six-minute period per hour.

B. **Fuel Restriction:** All equipment at the facility is restricted to combusting only natural gas containing no more than 2 grains of sulfur per 100 standard cubic feet.

C. **Like-Kind Engine Replacement:** This permit allows the permittee to replace the existing compressor engine with a like-kind engine. Replacement is subject to the following conditions:

1. The Department must be notified within 10 days after change-out of the engine.
2. The replacement engine shall operate in the same manner, provide no increase in throughput and have equal or less emissions than the engine it is replacing.
3. The date of manufacture of the replacement engine must be included in the notification. The facility must comply with any applicable federal standards (e.g. NSPS, MACT) triggered by the replacement.
4. The replacement engine is subject to the same state emission limits as the existing engine in addition to any NSPS or MACT emission limit that is applicable. Testing shall be conducted to confirm compliance with the NOx and CO emission limits within 180 days after start-up of the new engine using EPA Reference Methods in 40 CFR 60, Subpart A.

D. **Flaring Restrictions:**

1. Flaring may not be used to burn waste gas for the purpose of increasing or maintaining well production without prior approval from the Department. When it is necessary to operate the flare during emergency, malfunction or maintenance, all precautions shall be taken to minimize emissions and maintain compliance with the applicable ambient air quality standards as outlined in NDAC 33-15-02 and the opacity standard of 20% not to exceed 60% for more than one six-minute period per hour.
2. The flare must be equipped and operated with an automatic ignitor or a continuous burning pilot which must be maintained in good working order as outlined in NDAC 33-15-07-02.

3. The presence of a flame shall be monitored using a thermocouple or any other equivalent device approved by the Department.
 4. The flare shall be operated in accordance with the requirements of 40 CFR 60.18.
- E. **40 CFR 60, Subpart Dc:** Hot oil heaters H-1 and H-1A are subject to the requirements of 40 CFR 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and the owner/operator must comply with all applicable requirements of this subpart.
- F. **40 CFR 60, Subpart KKK:** The facility must comply with all applicable requirements of 40 CFR 60, Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing.
- G. **40 CFR 60, Subpart JJJJ:** The owner/operator must comply with all applicable requirements of 40 CFR 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.
- H. **40 CFR 63, Subpart ZZZZ:** The compressor engine may be subject to 40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. For this subpart, EPA Region 8, not the North Dakota Department of Health, is the implementing and enforcement authority. All documentation should be sent to EPA at the following address:
- U.S. EPA Region 8
1595 Wynkoop Street
Mail Code 8ENF – AT
Denver, CO 80202-1129
- I. **40 CFR 60, Subpart OOOO:** The owner/operator must comply with all applicable requirements of 40 CFR 60, Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Transmission and Distribution. For this subpart, EPA Region 8, not the North Dakota Department of Health, is the implementing and enforcement authority. All documentation should be sent to EPA at the above address.
- J. **Stack Heights:** Emissions from the hot oil heaters (EU H-1 and EU H-1A) shall be vented from a stack height which is at least 1.5 times the height of any nearby building. A nearby building is any building located a distance of less than five times the building height from the stack.
- K. **Organic Compounds Emissions:** The permittee shall comply with all applicable requirements of NDAC 33-15-07 – Control of Organic Compounds Emissions.

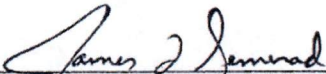
- L. **Vehicles and Internal Combustion Engines:** No person shall operate, or cause to be operated, any internal combustion engine which emits from any source any unreasonable and excessive smoke, obnoxious or noxious gases, fumes or vapors in accordance with NDAC 33-15-08-01.
- M. **Construction:** Construction of the above described facility shall be in accordance with information provided in the permit application as well as any plans, specifications and supporting data submitted to the Department. The Department shall be notified ten days in advance of any significant deviations from the specifications furnished. The issuance of this Permit to Construct may be suspended or revoked if the Department determines that a significant deviation from the plans and specifications furnished has been or is to be made.
- Any violation of a condition issued as part of this permit to construct as well as any construction which proceeds in variance with any information submitted in the application, is regarded as a violation of construction authority and is subject to enforcement action.
- N. **Startup Notice:** A notification of the actual date of initial startup shall be submitted to the Department within 15 days after the date of initial startup.
- O. **Permit Invalidation:** This permit shall become invalid if construction is not commenced within eighteen months after issuance of such permit, if construction is discontinued for a period of eighteen months or more; or if construction is not completed within a reasonable time.
- P. **Fugitive Emissions:** The release of fugitive emissions shall comply with the applicable requirements in NDAC 33-15-17.
- Q. **Annual Emission Inventory/Annual Production Reports:** The owner/operator shall submit an annual emission inventory report or an annual production report, upon request, on forms supplied or approved by the Department.
- R. **Source Operations:** Operations at the installation shall be in accordance with statements, representations, procedures and supporting data contained in the initial application, and any supplemental information or application(s) submitted thereafter. Any operations not listed in this permit are subject to all applicable North Dakota Air Pollution Control Rules.
- S. **Alterations, Modifications or Changes:** Any alteration, repairing, expansion, or change in the method of operation of the source which results in the emission of an additional type or greater amount of air contaminants or which results in an increase in the ambient concentration of any air contaminant, must be reviewed and approved by the Department prior to the start of such alteration, repairing, expansion or change in the method of operation.

- T. **Recordkeeping:** The owner/operator shall maintain any compliance monitoring records required by this permit or applicable requirements. The owner/operator shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report or application. Support information may include all calibration and maintenance records and all original strip-chart recordings/computer printouts for continuous monitoring instrumentation, and copies of all reports required by the permit.
- U. **Nuisance or Danger:** This permit shall in no way authorize the maintenance of a nuisance or a danger to public health or safety.
- V. **Malfunction Notification:** The owner/operator shall notify the Department of any malfunction which can be expected to last longer than twenty-four hours and can cause the emission of air contaminants in violation of applicable rules and regulations.
- W. **Operation of Air Pollution Control Equipment:** The owner/operator shall maintain and operate all air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.
- X. **Transfer of Permit to Construct:** The holder of a permit to construct may not transfer such permit without prior approval from the Department.
- Y. **Right of Entry:** Any duly authorized officer, employee or agent of the North Dakota Department of Health may enter and inspect any property, premise or place at which the source listed in Item I.B of this permit is located at any time for the purpose of ascertaining the state of compliance with the North Dakota Air Pollution Control Rules. The Department may conduct tests and take samples of air contaminants, fuel, processing material, and other materials which affect or may affect emissions of air contaminants from any source. The Department shall have the right to access and copy any records required by the Department's rules and to inspect monitoring equipment located on the premises.
- Z. **Other Regulations:** The owner/operator of the source unit(s) described in Item I.B of this permit shall comply with all State and Federal environmental laws and rules. In addition, the owner/operator shall comply with all local burning, fire, zoning, and other applicable ordinances, codes, rules and regulations.
- AA. **Permit Issuance:** This permit is issued in reliance upon the accuracy and completeness of the information set forth in the application. Notwithstanding the tentative nature of this information, the conditions of this permit herein become, upon the effective date of this permit, enforceable by the Department pursuant to any remedies it now has, or may in the future have, under the North Dakota Air Pollution Control Law, NDCC Chapter 23-25. Each and every condition of this permit is a material part thereof, and is not severable.

- BB. **Odor Restrictions:** The owner/operator shall not discharge into the ambient air any objectionable odorous air contaminant which is in excess of the limits established in NDAC 33-15-16.

FOR THE NORTH DAKOTA
DEPARTMENT OF HEALTH

Date May 6, 2013

By 
for Terry L. O'Clair, P.E.
Director
Division of Air Quality



AIR QUALITY EFFECTS ANALYSIS
FOR
PERMIT TO CONSTRUCT

Applicant:

ONEOK Rockies Midstream, LLC
P.O. Box 871
Tulsa, OK 74102-0871

Source Location:

Garden Creek Gas Plant
12111 30th Street NW
Watford City, McKenzie County, North Dakota
SE ¼, Sec. 35, T151N, R98W

Introduction:

Bear Paw Energy, LLC (now ONEOK Rockies Midstream, LLC) was issued Permit to Construct No. PTC11010 on May 10, 2011 for the Garden Creek Gas Plant. The following table illustrates the equipment currently permitted at the facility (note: all compressor engines at the facility are electric engines).

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas	H-1	H-1	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas	H-2	H-2	None
210 barrel (8,820 gallon) methanol storage tank	TK-METH	TK-METH	None
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas	EGEN	EGEN	None
Flare	FL-1	FL-1	None
Truck loading	TL-1	TL-1	None
Fugitive emissions	FUG	FUG	None

On Feb 4, 2013, ONEOK Rockies Midstream, LLC (ONEOK) submitted a permit application to expand the existing Garden Creek Gas Plant (the second phase is referred to as “Garden Creek II”) by adding the identical equipment shown above. After the expansion, the facility will consist of the following equipment:

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas	H-1	H-1	None
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas*	H-1A	H-1A	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas	H-2	H-2	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas*	H-2A	H-2A	None
210 barrel (8,820 gallon) methanol storage tank	TK-METH	TK-METH	None
210 barrel (8,820 gallon) methanol storage tank*	TK-METH2	TK-METH2	None
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas	EGEN	EGEN	None
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas*	EGEN2	EGEN2	None
Truck loading	TL-1	TL-1	None
Truck loading*	TL-2	TL-2	None
Flare	FL-1	FL-1	None
Flare*	FL-2	FL-2	None
Fugitive emissions	FUG	FUG	None

* New equipment. All other equipment is existing equipment.

Process Description:

Raw, sweet field gas enters the plant via pipeline and condensate is removed. The gas is then filtered and dehydrated using mole sieve dehydration. A cryogenic turboexpander process removes the natural gas liquids (NGL) from the gas stream, thereby separating the methane product from the NGL product. Each of these main product streams leaves the plant via pipeline. Several electric-driven compressors are used to compress process overheads, methane product and propane refrigerant.

Hot oil is used as a heat transfer medium throughout the plant and a natural gas-fired heater is used to heat the hot oil. The mole sieves are regenerated using heat from a small regeneration heater that heats natural gas, which passes through the mole sieves to release moisture. Four

small heaters totaling less than 2 million Btu/hr are used as tank heaters in cold weather. Methanol, lube oil, used oil, and water/lube oil mixture are stored in atmospheric storage tanks. NGL product and natural gasoline condensate are stored in pressurized tanks. NGL product leaves the plant through pipeline. Truck loading of natural gasoline is controlled by a vapor recovery system. A flare system is used for safety, maintenance, emergencies, upsets and process flaring as needed.

Applicable Rules / Allowable Emissions:

A. Chapter 33-15-02 – Ambient Air Quality Standards

The facility must comply with the Ambient Air Quality Standards (AAQS). Other requirements of this chapter include general prohibitions against harming health, causing damage to plants, animals, other property and visible degradation. In addition to these standards, compliance with the Department's Air Toxics Policy is required.

B. Chapter 33-15-03 – Restriction of Visible Air Contaminants

The facility must comply with an opacity limit of 20% except for one six-minute period per hour when 40% opacity is permissible, with the exception of the emergency flare which must comply with an opacity limit of 20% except for one six-minute period per hour when 60% opacity is permissible.

C. Chapter 33-15-08 – Control of Air Pollution from Vehicles and Other Internal Combustion Engines

This chapter prohibits the operation of any internal combustion engine which emits any unreasonable and excessive smoke, obnoxious and noxious gases, fumes or vapors.

D. Chapter 33-15-12 – Standards of Performance for New Stationary Sources

Subpart Dc – Standards of Performance for Small Industrial – Commercial – Institutional Steam Generating Units

The hot oil heaters are subject to Subpart Dc since each unit is manufactured after June 9, 1989 and has a heat input capacity greater than or equal to 10 million Btu/hr. Since each unit only burns natural gas, no emission limits apply and the owner/operator is only subject to recordkeeping requirements.

Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Plants

This rule is applicable if the facility is an onshore natural gas processing plant that commences construction, reconstruction or modification after January 20, 1984 and one or before August 23, 2011. This regulation includes, but is not limited to, leak detection and repair, monitoring, recordkeeping and reporting requirements. The new equipment

will be constructed after August 23, 2011; therefore Subpart KKK does not apply to the new equipment (see discussion below regarding NSPS Subpart OOOO).

40 CFR 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS JJJJ)

This subpart applies to owners/operators of spark ignition internal combustion engines that commence construction after June 12, 2006 where the engine is manufactured:

- After July 1, 2007 for engines >500 hp
- After July 1, 2008 for engines <500 hp

The permittee does not know the specific manufacture dates of the engines; therefore, the facility may be subject to this subpart. If applicability to the rule is determined, the permittee must comply with all requirements of the subpart which include, but are not limited to:

- Emission limits for NO_x, CO and VOC
- Emission testing every 8,760 hours or 3 years, whichever comes first
- Notification, monitoring, reporting and recordkeeping requirements

40 CFR 60, Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Transmission and Distribution

The equipment covered by this subpart includes well completions, pneumatic controllers, equipment leaks from natural gas processing plants, sweetening units at natural gas processing plants, reciprocating compressors, centrifugal compressors and storage vessels which are constructed, modified or reconstructed after August 23, 2011. The VOC storage vessels emit less than 6 tons/year of VOC and are therefore not subject to this subpart. The facility will have fugitive equipment leaks that will be subject to this subpart.

- E. Chapter 33-15-14 – Designated Air Contaminant Sources, Permit to Construct, Minor Source Permit to Operate, Title V Permit to Operate

This chapter requires the facility to obtain a Permit to Construct for the construction and initial operation of the gas plant.

- F. Chapter 33-15-15 – Prevention of Significant Deterioration

A Prevention of Significant Deterioration (PSD) review could potentially apply to the source if it is classified as a “major stationary source” under Chapter 33-15-15. The existing Garden Creek Compressor Station and the Garden Creek Gas Plant will be collocated and are both owned/operated by ONEOK. Therefore, the facilities are both considered the same “source” for purposes of determining if emissions exceed the PSD major source threshold of 250 tons/year of any regulated air pollutant.

G. Chapter 33-15-16 – Restriction of Odorous Air Contaminants

The owner/operator shall not discharge into the ambient air any objectionable odorous air contaminant which is in excess of the limits established in NDAC 33-15-16.

H. 40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT ZZZZ)

This subpart applies to new and existing engines located at major and area sources of HAP emissions. If NSPS JJJJ is applicable to an engine, the requirements of this subpart will be met by meeting the requirements outlined in NSPS JJJJ. If the engine is not subject to Subpart JJJJ, then the engine must meet all applicable requirements of this subpart. These requirements include, but are not limited to: emission limitations, emission testing and notification, monitoring, reporting and recordkeeping requirements. The permittee is responsible for complying with this subpart.

Non-Applicable Rules:

A. 40 CFR 63, Subpart HH – Emission Standards for Hazardous Air Pollutants from Oil and Gas Production Facilities

This subpart applies to major sources of hazardous air pollutants that operate ethylene glycol or diethylene glycol dehydrators and area and major sources that operate a triethylene glycol dehydrator. The Garden Creek source (Gas Plant and Compressor Station combined) is classified as a minor HAP source. For a minor HAP source, the only source that is regulated under Subpart HH is a triethylene glycol dehydrator. The Garden Creek Gas Plant will not operate a triethylene glycol dehydrator (or any other type of glycol dehydrator), so Subpart HH is not applicable to the facility.

Expected Emissions:

Emissions are summarized below.

POTENTIAL TO EMIT – GARDEN CREEK GAS PLANT (AFTER EXPANSION) CRITERIA POLLUTANTS						
Emission Unit Description	EU ID	PM/PM ₁₀ (tpy)	SO ₂ (tpy)	NO _x (tpy)	CO (tpy)	VOCs (tpy)
Hot oil heater	H-1	1.6	0.13	21.6	18.1	1.2
Hot oil heater	H-1A	1.6	0.13	21.6	18.1	1.2
Regeneration heater	H-2	0.16	0.01	2.1	1.8	0.12
Regeneration heater	H-2A	0.16	0.01	2.1	1.8	0.12
Flare	FL-1	0.19	0.12	1.1	8.7	3.3
Flare	FL-2	0.12	0.10	1.7	5.4	2.0
Fugitive emissions	FUG-1	---	---	---	---	21.7
Fugitive emissions	FUG-2	---	---	---	---	21.7
Methanol tank	TK-METH	---	---	---	---	0.14
Methanol tank	TK-METH2	---	---	---	---	0.14
Truck loading	TL-1	---	---	---	---	3.1
Truck loading	TL-2	---	---	---	---	3.1

POTENTIAL TO EMIT – GARDEN CREEK GAS PLANT (AFTER EXPANSION)						
CRITERIA POLLUTANTS						
Emission Unit Description	EU ID	PM/PM₁₀ (tpy)	SO₂ (tpy)	NOx (tpy)	CO (tpy)	VOCs (tpy)
Generator	EGEN	0.03	Neg.	0.81	1.6	0.56
Generator	EGEN2	0.03	Neg.	0.81	1.6	0.56
Total		3.9	0.5	51.8	57.1	58.9
Total (excluding fugitives)		3.9	0.5	51.8	57.1	15.5

POTENTIAL TO EMIT – GARDEN CREEK COMPRESSOR STATION						
CRITERIA POLLUTANTS						
Emission Unit Description	EU ID	PM/PM₁₀ (tpy)	SO₂ (tpy)	NOx (tpy)	CO (tpy)	VOCs (tpy)
400-bbl condensate tanks	TK-1 & 2	---	---	---	---	3.4
Condensate truck loading	TL-1	---	---	---	---	4.7
210-bbl methanol tank	TK-3	---	---	---	---	0.14
Fugitive emissions	FUG	---	---	---	---	11.8
Flare	FL-1	<0.01	3.8	0.05	0.16	0.06
Total		<0.01	3.8	0.05	0.16	20.1
Total (excluding fugitives)		<0.01	3.8	0.05	0.16	8.3

POTENTIAL TO EMIT – COMBINED EMISSIONS						
GARDEN CREEK GAS PLANT AND GARDEN CREEK COMPRESSOR STATION						
CRITERIA POLLUTANTS						
Facility		PM/PM₁₀ (tpy)	SO₂ (tpy)	NOx (tpy)	CO (tpy)	VOCs (tpy)
Garden Creek Gas Plant		3.9	0.5	51.8	57.1	58.9
Garden Creek Compressor Station		<0.01	3.8	0.05	0.16	20.1
Total (including fugitives)		3.9	4.3	51.9	57.3	79.0
Total fugitive emissions (both facilities)		---	---	---	---	55.2
Total (excluding fugitives)		3.9	4.3	51.8	57.3	23.8

POTENTIAL TO EMIT - GARDEN CREEK GAS PLANT								
HAZARDOUS AIR POLLUTANTS								
Emission Unit ID	Benzene (tpy)	Ethyl-benzene (tpy)	Formaldehyde (tpy)	Methanol (tpy)	n-Hexane (tpy)	Toluene (tpy)	Xylenes (tpy)	Other HAPs (tpy)
H-1	Neg.	Neg.	Neg.	Neg.	0.39	Neg.	Neg.	0.01
H-1A	Neg.	Neg.	Neg.	Neg.	0.39	Neg.	Neg.	0.01
H-2	Neg.	Neg.	Neg.	Neg.	0.04	Neg.	Neg.	<0.01
H-2A	Neg.	Neg.	Neg.	Neg.	0.04	Neg.	Neg.	<0.01
FL-1	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	<0.01
FL-2	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	<0.01
FUG	Neg.	Neg.	Neg.	Neg.	0.14	0.02	Neg.	Neg.
TK-METH	---	---	---	0.14	---	---	---	---
TK-METH2	---	---	---	0.14	---	---	---	---
TL-1	0.03	Neg.	Neg.	Neg.	0.06	0.05	0.02	0.03
TL-2	0.03	Neg.	Neg.	Neg.	0.06	0.05	0.02	0.03
EGEN	Neg.	Neg.	0.56	Neg.	Neg.	Neg.	Neg.	0.06

POTENTIAL TO EMIT - GARDEN CREEK GAS PLANT HAZARDOUS AIR POLLUTANTS								
Emission Unit ID	Benzene (tpy)	Ethyl-benzene (tpy)	Formal-dehyde (tpy)	Methanol (tpy)	n-Hexane (tpy)	Toluene (tpy)	Xylenes (tpy)	Other HAPs (tpy)
EGEN2	Neg.	Neg.	0.56	Neg.	Neg.	Neg.	Neg.	0.06
Total	0.06	Neg.	1.1	0.3	1.1	0.1	0.04	0.2
Total (All HAPs)	2.9							

POTENTIAL TO EMIT - GARDEN CREEK COMPRESSOR STATION HAZARDOUS AIR POLLUTANTS								
Emission Unit ID	Benzene (tpy)	Ethyl-benzene (tpy)	Formal-dehyde (tpy)	Methanol (tpy)	n-Hexane (tpy)	Toluene (tpy)	Xylenes (tpy)	Other HAPs (tpy)
TK-1 & 2	0.03	Neg.	Neg.	Neg.	0.05	0.04	0.02	0.03
TL-1	0.04	Neg.	Neg.	Neg.	0.07	0.06	0.02	0.04
TK-3	---	---	---	0.14	---	---	---	---
FUG	0.01	Neg.	Neg.	Neg.	0.03	0.01	Neg.	Neg.
FL-1	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total	0.07	Neg.	Neg.	0.1	0.2	0.1	0.04	0.07
Total (All HAPs)	0.6							

POTENTIAL TO EMIT - GARDEN CREEK COMPRESSOR STATION AND GAS PLANT HAZARDOUS AIR POLLUTANTS								
Emission Unit Description	Benzene (tpy)	Ethyl-benzene (tpy)	Formal-dehyde (tpy)	Methanol (tpy)	n-Hexane (tpy)	Toluene (tpy)	Xylenes (tpy)	Other HAPs (tpy)
Gas Plant	0.06	Neg.	1.1	0.3	1.1	0.1	0.04	0.2
Compressor Station	0.07	Neg.	Neg.	0.1	0.2	0.1	0.04	0.07
Total	0.13	Neg.	1.1	0.4	1.3	0.2	0.1	0.3
Total (All HAPs)	3.5							

Greenhouse Gas Emissions

Greenhouse gas emissions are attached. Total greenhouse gas emissions from the gas plant are approximately 60,654 tons/year (as CO₂e) and total greenhouse gas emissions from the compressor station are approximately 503 tons/year (as CO₂e). Total combined greenhouse gas emissions from the combined facilities are approximately 61,067 tons/year (as CO₂e).

Expected Compliance Status:

A. Chapter 33-15-02 – Ambient Air Quality Standards

Based on the expected emissions, compliance with the AAQS is expected. Per a September 12, 2006 Department Memorandum, modeling is not required to demonstrate

compliance with the AAQS if emissions are less than 100 tons/year of NO_x and SO₂ and 40 tons/year of PM₁₀ (if emissions are vented to a stack height which is 1.5 times the nearby building height) or if emissions are less than 40 tons/year of NO_x and SO₂ and 15 tons/year of PM₁₀ (if emissions are vented to a stack height which is less than 1.5 times the nearby building height). Combined emissions of NO_x, SO₂ and PM₁₀ from the gas plant and compressor station are approximately 50.7, 4.3 and 3.6 tons/year, respectively. Modeling is not required for SO₂ and PM₁₀ regardless of stack heights since emissions are less than 40 tons/year and 15 tons/year, respectively. Emissions from the hot oil heaters (which account for 85% of NO_x emissions from the source) will be required to be vented from stack heights which are 1.5 times the nearby building height; therefore, the 100 tons/year criteria will be applied for NO_x. Since potential NO_x emissions are less than 100 tons/year, modeling is not required for NO_x emissions.

Total HAP emissions are approximately 3.5 tons/year from both facilities combined. Based upon this level of HAP emissions, the source is expected to comply with the requirements of the Air Toxics Policy.

B. Chapter 33-15-03 – Restriction of Visible Air Contaminants

Since the equipment will be fired on natural gas, visible air emissions are expected to be well below the 20% opacity limit established by this chapter.

C. Chapter 33-15-08 – Control of Air Pollution from Vehicles and Other Internal Combustion Engines

Based on experience with similar sources, this facility is expected to comply with all applicable requirements of this chapter.

D. Chapter 33-15-12 – Standards of Performance for New Stationary Sources

The facility is expected to comply with the applicable requirements of Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Plants, Subpart Dc - Standards of Performance for Small Industrial – Commercial – Institutional Steam Generating Units and Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Transmission and Distribution

The facility may be subject to Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines depending on the manufacture date of the engines to be installed.

E. Chapter 33-15-14 – Designated Air Contaminant Sources, Permit to Construct, Minor Source Permit to Operate, Title V Permit to Operate

The facility has met all requirements necessary to obtain a Permit to Construct. Based on the expected emissions, the source will be a minor source under the Title V program because the potential to emit for all criteria pollutants remain under 100 tons/year

(excluding fugitive emissions), the potential to emit of greenhouse gases is below 100,000 tons/year (as CO₂e) and the potential to emit for HAPs is below 10 tons/year of any individual HAP and 25 tons of all combined HAPs.

F. Chapter 33-15-15 – Prevention of Significant Deterioration

Since the potential to emit for the source of all non-GHG pollutants (excluding fugitive emissions) is below 250 tons/year and the potential to emit of all GHGs is below 100,000 tons/year (as CO₂e), a PSD review is not required.

G. Chapter 33-15-16 – Restriction of Odorous Air Contaminants

Based on Department experience with similar sources, the facility is expected to comply with this chapter.

H. 40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

The facility may be subject to this subpart. It should be noted that EPA Region 8, not the North Dakota Department of Health, is the implementing and enforcement authority. All required documentation must be submitted to EPA Region 8.

Conclusions and Recommendations:

The facility is expected to comply with the applicable federal and state rules. It is recommended that a Permit to Construct be issued to ONEOK for the construction and initial operation of the Garden Creek Gas Plant modification

Date of Analysis: May 6, 2013

Analysis By:



Craig D. Thorstenson
Environmental Engineer
Division of Air Quality

CDT:saj

Attach: Greenhouse gas calculations

ONEOK Rockies Midstream, L.L.C.
 Garden Creek Gas Plant Expansion
 Summary of Greenhouse Gas Emissions - Short Tons (Tons)

Emissions Proposed With This Application

Equipment	Unit ID	Carbon Dioxide (CO ₂)		Methane (CH ₄)		Nitrous Oxide (N ₂ O)		Methane (CH ₄) as CO ₂ Eq.		Nitrous Oxide (N ₂ O) as CO ₂ Eq.		Total CO ₂ + CO ₂ Eq.	
		lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr
1,462-hp Caterpillar G3516C LE Emergency Generator	EGEN2	1,329.88	332.47	0.03	0.01	<0.01	<0.01	0.53	0.13	0.78	0.19	1,331.18	332.80
50.2-mmBtu/hr Hot Oil Heater	H-1A	5,867.83	25,701.05	0.11	0.48	0.01	0.05	2.32	10.18	3.43	15.03	5,873.58	25,726.26
4.9-mmBtu/hr Regen Gas Heater	H-2A	572.76	2,508.67	0.01	0.05	<0.01	<0.01	0.23	0.99	0.33	1.47	573.32	2,511.13
Truck Loading	TL-2	<0.01	<0.01	0.07	0.09	-	-	1.55	1.89	-	-	1.55	1.89
Fugitive Emissions	FUG2	0.10	0.42	3.59	15.72	-	-	75.36	330.06	-	-	75.45	330.48
One (1) 210-bbl Methanol Tank	TK-METH2	-	-	-	-	-	-	-	-	-	-	-	-
Flare	FL-2	314.10	1,375.76	0.01	0.03	<0.01	<0.01	0.12	0.54	0.18	0.80	314.41	1,377.11
Total =		8,084.66	29,918.38	3.81	16.37	0.02	0.06	80.11	343.80	4.73	17.49	8,169.50	30,279.66

Existing Garden Creek Gas Plant Emissions

Equipment	Unit ID	Carbon Dioxide (CO ₂)		Methane (CH ₄)		Nitrous Oxide (N ₂ O)		Methane (CH ₄) as CO ₂ Eq.		Nitrous Oxide (N ₂ O) as CO ₂ Eq.		Total CO ₂ + CO ₂ Eq.	
		lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr
1,462-hp Caterpillar G3516C LE Emergency Generator	EGEN	1,329.88	332.47	0.03	0.01	<0.01	<0.01	0.53	0.13	0.78	0.19	1,331.18	332.80
50.2-mmBtu/hr Hot Oil Heater	H-1	5,867.83	25,701.05	0.11	0.48	0.01	0.05	2.32	10.18	3.43	15.03	5,873.58	25,726.26
4.9-mmBtu/hr Regen Gas Heater	H-2	572.76	2,508.67	0.01	0.05	<0.01	<0.01	0.23	0.99	0.33	1.47	573.32	2,511.13
Truck Loading	TL-1	<0.01	0.01	0.07	0.32	-	-	1.55	6.80	-	-	1.55	6.81
Fugitive Emissions	FUG	0.10	0.42	3.59	15.72	-	-	75.36	330.06	-	-	75.45	330.48
One (1) 210-bbl Methanol Tank	TK-METH	-	-	-	-	-	-	-	-	-	-	-	-
Flare	FL-1	314.10	1,375.76	0.01	0.03	<0.01	<0.01	0.12	0.54	0.18	0.80	314.41	1,377.11
Total =		8,084.66	29,918.38	3.81	16.60	0.02	0.06	80.11	348.71	4.73	17.49	8,169.50	30,284.68

Existing Garden Creek Compressor Station Emissions

Equipment	Unit ID	Carbon Dioxide (CO ₂)		Methane (CH ₄)		Nitrous Oxide (N ₂ O)		Methane (CH ₄) as CO ₂ Eq.		Nitrous Oxide (N ₂ O) as CO ₂ Eq.		Total CO ₂ + CO ₂ Eq.	
		lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr
Two (2) 400-bbl Condensate Tanks	TK-1, TK-2	<0.01	0.02	0.04	0.16	-	-	0.75	3.28	-	-	0.75	3.30
Truck Loading	TL-1	0.01	<0.01	0.21	0.02	-	-	4.49	0.44	-	-	4.49	0.44
Fugitive Emissions	FUG	0.12	0.51	3.77	16.50	-	-	79.13	346.60	-	-	79.25	347.12
Emergency Flare	FL-1	314.29	152.39	0.01	<0.01	<0.01	<0.01	0.12	0.06	0.18	0.09	314.60	152.54
210-bbl Methanol Tank	TK-3	-	-	-	-	-	-	-	-	-	-	-	-
Total =		314.42	152.92	4.02	16.68	<0.01	<0.01	84.49	350.38	0.18	0.09	399.10	503.39
Total =		16,483.74	59,989.68	11.65	49.66	0.03	0.11	244.71	1,042.88	9.64	36.07	16,738.09	61,087.84



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov



September 23, 2013

RECEIVED

SEP 25 2013

ONEOK
CORP ENVIRONMENTAL

Ms. Deborah Perry-Chambers
ONEOK Rockies Midstream
P.O. Box 871
Tulsa, OK 74102-0871

Re: Air Pollution Control
Permit to Construct

Dear Ms. Perry-Chambers:

Pursuant to the Air Pollution Control Rules of the State of North Dakota, the Department of Health has completed final review of your application to obtain a Permit to Construct for modification of the existing Garden Creek Gas Plant.

Based on the results of the documents reviewed, this Department hereby issues the enclosed North Dakota Air Pollution Control Permit to Construct No. PTC13044. A public comment period was held regarding this project from August 21, 2013 to September 20, 2013 and no comments were received by the Department.

Please advise the Department within 15 days after completing the project to allow for an inspection by the Department. In addition, within 12 months after commencing operation of the new equipment added with this modification, a permit application for a Title V Permit to Operate must be submitted to the Department.

Note that the above-referenced permit addresses only air quality requirements applicable to your facility. Other divisions (Water Quality, Waste Management and Municipal Facilities) within the Environmental Health Section may have additional requirements. Contact information for the various divisions is listed at the bottom of this letter.

If you have any questions regarding air quality, please contact me at (701)328-5188.

Sincerely,

Craig D. Thorstenson
Environmental Engineer
Division of Air Quality

CDT:saj

Enc:

xc/enc: Mike Owens, EPA (email)

NGGP ENVIRONMENTAL

Original to CES for Review: 1) Deb <input checked="" type="checkbox"/>	2) Lynn <input checked="" type="checkbox"/>
pdf to ES*: BM__ KL__ TM__ MA <input checked="" type="checkbox"/>	IL <input checked="" type="checkbox"/> JJ__
*To be Saved to SharePoint by ES	
pdf to Ops Mgr: BH__ PA__ KO__ EM__ JK__	DVB <input checked="" type="checkbox"/> DV <input checked="" type="checkbox"/> CC <input checked="" type="checkbox"/> AK__ MA__
pdf to Ops/Engr/Other: <u>Brian Lore</u>	<u>Mike Owen</u>
pdf to Tester: MikeW-Great Plain (OK & KS)__	ChrisK-Oasis (WY) <input checked="" type="checkbox"/>
	EdW-EEMC (ND & MT)__
pdf for EIMS: Renberg <input checked="" type="checkbox"/>	
pdf Scan to Above/File (Date/By)	<u>Chris Cox 10/31/13</u>

Environmental Health
Section Chief's Office
701.328.5150

Division of
Air Quality
701.328.5188

Division of
Municipal Facilities
701.328.5211

Division of
Waste Management
701.328.5166

Division of
Water Quality
701.328.5210



**AIR POLLUTION CONTROL
PERMIT TO CONSTRUCT**

Pursuant to Chapter 23-25 of the North Dakota Century Code, and the Air Pollution Control Rules of the State of North Dakota (Article 33-15 of the North Dakota Administrative Code), and in reliance on statements and representations heretofore made by the owner designated below, a Permit to Construct is hereby issued authorizing such owner to construct and initially operate the source unit(s) at the location designated below. This Permit to Construct is subject to all applicable rules and orders now or hereafter in effect of the North Dakota Department of Health and to any conditions specified below:

I. General Information:

A. **Permit to Construct Number:** PTC13044

B. **Source:**

1. Name: Garden Creek Gas Plant
2. Location: SE ¼, Sec. 35, T151N, R98W
McKenzie County, North Dakota
3. Source Type: Natural Gas Processing Plant
4. Equipment at the Facility:

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas	H-1	H-1	None
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas	H-1A	H-1A	None
Hot oil heater rated at 50.2 million Btu/hr and fired on natural gas*	H-1B	H-1B	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas	H-2	H-2	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas	H-2A	H-2A	None
Regeneration gas heater rated at 4.9 million Btu/hr and fired on natural gas*	H-2B	H-2B	None
210 barrel (8,820 gallon) methanol storage tank	TK-METH	TK-METH	Submerged Fill Pipe

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
210 barrel (8,820 gallon) methanol storage tank	TK-METH2	TK-METH2	Submerged Fill Pipe
210 barrel (8,820 gallon) methanol storage tank*	TK-METH3	TK-METH3	Submerged Fill Pipe
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas	EGEN	EGEN	None
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas	EGEN2	EGEN2	None
One Caterpillar Model G3516C LE engine-driven generator with a maximum rating of 1,462 bhp and fired on natural gas*	EGEN3	EGEN3	None
Truck loading	TL-1	TL-1	None
Truck loading	TL-2	TL-2	None
Truck loading*	TL-3	TL-3	None
Flare	FL-1	FL-1	None
Flare	FL-2	FL-2	None
Flare*	FL-3	FL-3	None
Fugitive emissions	FUG	FUG	None

* New equipment added with this modification (which is referred to as "Garden Creek III"). All other equipment is previously permitted equipment.

C. Owner/Operator (Permit Applicant):

1. Name: ONEOK Rockies Midstream, LLC
2. Address: P.O. Box 871
Tulsa, OK 74102-0871
3. Application Date: May 21, 2013

II. **Conditions:** This Permit to Construct allows the construction and initial operation of the above-mentioned new or modified equipment at the source. The source may be operated under this Permit to Construct until a Permit to Operate is issued unless this permit is suspended or revoked. The source is subject to all applicable rules, regulations, and orders now or hereafter in effect of the North Dakota Department of Health and to the conditions specified below.

A. **Emission Limits:** Emission limits from the operation of the source unit(s) identified in Item I.B of this Permit to Construct (hereafter referred to as "permit")

are as follows. Source units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Emission Unit Description	EU	EP	Pollutant / Parameter	Emission Limit*
Hot oil heater rated at 50.2 MMBtu/hr	H-1	H-1	Opacity	20% (40%**)
Hot oil heater rated at 50.2 MMBtu/hr	H-1A	H-1A	Opacity	20% (40%**)
Hot oil heater rated at 50.2 MMBtu/hr	H-1B	H-1B	Opacity	20% (40%**)
Hot oil heater rated at 4.9 MMBtu/hr	H-2	H-2	Opacity	20% (40%**)
Hot oil heater rated at 4.9 MMBtu/hr	H-2A	H-2A	Opacity	20% (40%**)
Hot oil heater rated at 4.9 MMBtu/hr	H-2B	H-2B	Opacity	20% (40%**)
Engine-driven generator*	EGEN	EGEN	Opacity	20% (40%**)
Engine-driven generator*	EGEN2	EGEN2	Opacity	20% (40%**)
Engine-driven generator*	EGEN3	EGEN3	Opacity	20% (40%**)
Flare	FL-1	FL-1	Opacity	20% (60%**)
Flare	FL-2	FL-2	Opacity	20% (60%**)
Flare	FL-3	FL-3	Opacity	20% (60%**)

* If applicable, the engine must also comply with NOx, CO and VOC emission limits established in 40 CFR 60, Subpart JJJJ. The potential to emit for a generator set is based on operating no more than 500 hours per year.

** Permissible for not more than one six-minute period per hour.

B. **Fuel Restriction:** All equipment at the facility is restricted to combusting only natural gas containing no more than 2 grains of sulfur per 100 standard cubic feet.

C. **Like-Kind Engine Replacement:** This permit allows the permittee to replace an existing engine with a like-kind engine. Replacement is subject to the following conditions:

1. The Department must be notified within 10 days after change-out of the engine.
2. The replacement engine shall operate in the same manner, provide no increase in throughput and have equal or less emissions than the engine it is replacing.
3. The date of manufacture of the replacement engine must be included in the notification. The facility must comply with any applicable federal standards (e.g. NSPS, MACT) triggered by the replacement.
4. The replacement engine is subject to the same state emission limits as the existing engine in addition to any NSPS or MACT emission limit that is applicable. Testing shall be conducted to confirm compliance with any applicable emission limits within 180 days after start-up of the new engine using EPA Reference Methods in 40 CFR 60, Subpart A.

D. **Flaring Restrictions:**

1. Flaring may not be used to burn waste gas for the purpose of increasing or maintaining well production without prior approval from the Department. When it is necessary to operate the flare during emergency, malfunction or maintenance, all precautions shall be taken to minimize emissions and maintain compliance with the applicable ambient air quality standards as outlined in NDAC 33-15-02 and the opacity standard of 20% not to exceed 60% for more than one six-minute period per hour.
2. The flare must be equipped and operated with an automatic ignitor or a continuous burning pilot which must be maintained in good working order as outlined in NDAC 33-15-07-02.
3. The presence of a flame shall be monitored using a thermocouple or any other equivalent device approved by the Department.
4. The flare shall be operated in accordance with the requirements of 40 CFR 60.18.

E. **40 CFR 60, Subpart Dc:** Hot oil heaters H-1, H-1A and H-1B are subject to the requirements of 40 CFR 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and the owner/operator must comply with all applicable requirements of this subpart.

F. **40 CFR 60, Subpart KKK:** The facility must comply with all applicable requirements of 40 CFR 60, Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing.

G. **40 CFR 60, Subpart JJJJ:** The owner/operator must comply with all applicable requirements of 40 CFR 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

H. **40 CFR 63, Subpart ZZZZ:** The engines may be subject to 40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. For this subpart, EPA Region 8, not the North Dakota Department of Health, is the implementing and enforcement authority. All documentation should be sent to EPA at the following address:

U.S. EPA Region 8
1595 Wynkoop Street
Mail Code 8ENF – AT
Denver, CO 80202-1129

I. **40 CFR 60, Subpart OOOO:** The owner/operator must comply with all applicable requirements of 40 CFR 60, Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Transmission and Distribution. For this subpart,

EPA Region 8, not the North Dakota Department of Health, is the implementing and enforcement authority. All documentation should be sent to EPA at the above address.

- J. **Stack Heights:** Emissions from the hot oil heaters (EU H-1, EU H-1A and EU H-1B) shall be vented from a stack height which is at least 1.5 times the height of any nearby building. A nearby building is any building located a distance of less than five times the building height from the stack.
- K. **Organic Compounds Emissions:** The permittee shall comply with all applicable requirements of NDAC 33-15-07 – Control of Organic Compounds Emissions.
- L. **Vehicles and Internal Combustion Engines:** No person shall operate, or cause to be operated, any internal combustion engine which emits from any source any unreasonable and excessive smoke, obnoxious or noxious gases, fumes or vapors in accordance with NDAC 33-15-08-01.
- M. **Construction:** Construction of the above described facility shall be in accordance with information provided in the permit application as well as any plans, specifications and supporting data submitted to the Department. The Department shall be notified ten days in advance of any significant deviations from the specifications furnished. The issuance of this Permit to Construct may be suspended or revoked if the Department determines that a significant deviation from the plans and specifications furnished has been or is to be made.

Any violation of a condition issued as part of this permit to construct as well as any construction which proceeds in variance with any information submitted in the application, is regarded as a violation of construction authority and is subject to enforcement action.
- N. **Startup Notice:** A notification of the actual date of initial startup shall be submitted to the Department within 15 days after the date of initial startup.
- O. **Permit Invalidation:** This permit shall become invalid if construction is not commenced within eighteen months after issuance of such permit, if construction is discontinued for a period of eighteen months or more; or if construction is not completed within a reasonable time.
- P. **Fugitive Emissions:** The release of fugitive emissions shall comply with the applicable requirements in NDAC 33-15-17.
- Q. **Annual Emission Inventory/Annual Production Reports:** The owner/operator shall submit an annual emission inventory report or an annual production report, upon request, on forms supplied or approved by the Department.

- R. **Source Operations:** Operations at the installation shall be in accordance with statements, representations, procedures and supporting data contained in the initial application, and any supplemental information or application(s) submitted thereafter. Any operations not listed in this permit are subject to all applicable North Dakota Air Pollution Control Rules.
- S. **Alterations, Modifications or Changes:** Any alteration, repairing, expansion, or change in the method of operation of the source which results in the emission of an additional type or greater amount of air contaminants or which results in an increase in the ambient concentration of any air contaminant, must be reviewed and approved by the Department prior to the start of such alteration, repairing, expansion or change in the method of operation.
- T. **Recordkeeping:** The owner/operator shall maintain any compliance monitoring records required by this permit or applicable requirements. The owner/operator shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report or application. Support information may include all calibration and maintenance records and all original strip-chart recordings/computer printouts for continuous monitoring instrumentation, and copies of all reports required by the permit.
- U. **Nuisance or Danger:** This permit shall in no way authorize the maintenance of a nuisance or a danger to public health or safety.
- V. **Malfunction Notification:** The owner/operator shall notify the Department of any malfunction which can be expected to last longer than twenty-four hours and can cause the emission of air contaminants in violation of applicable rules and regulations.
- W. **Operation of Air Pollution Control Equipment:** The owner/operator shall maintain and operate all air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.
- X. **Transfer of Permit to Construct:** The holder of a permit to construct may not transfer such permit without prior approval from the Department.
- Y. **Right of Entry:** Any duly authorized officer, employee or agent of the North Dakota Department of Health may enter and inspect any property, premise or place at which the source listed in Item I.B of this permit is located at any time for the purpose of ascertaining the state of compliance with the North Dakota Air Pollution Control Rules. The Department may conduct tests and take samples of air contaminants, fuel, processing material, and other materials which affect or may affect emissions of air contaminants from any source. The Department shall have the right to access and copy any records required by the Department's rules and to inspect monitoring equipment located on the premises.

- Z. **Other Regulations:** The owner/operator of the source unit(s) described in Item I.B of this permit shall comply with all State and Federal environmental laws and rules. In addition, the owner/operator shall comply with all local burning, fire, zoning, and other applicable ordinances, codes, rules and regulations.
- AA. **Permit Issuance:** This permit is issued in reliance upon the accuracy and completeness of the information set forth in the application. Notwithstanding the tentative nature of this information, the conditions of this permit herein become, upon the effective date of this permit, enforceable by the Department pursuant to any remedies it now has, or may in the future have, under the North Dakota Air Pollution Control Law, NDCC Chapter 23-25. Each and every condition of this permit is a material part thereof, and is not severable.
- BB. **Odor Restrictions:** The owner/operator shall not discharge into the ambient air any objectionable odorous air contaminant which is in excess of the limits established in NDAC 33-15-16.

FOR THE NORTH DAKOTA
DEPARTMENT OF HEALTH

Date 9/23/13

By Terry L. O'Clair
Terry L. O'Clair, P.E.
Director
Division of Air Quality



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov



August 31, 2010

North Dakota Pollutant Discharge Elimination System (NDPDES)
General Permit for Stormwater Discharges from Construction Activity
NOTICE OF COVERAGE

Permittee(s)

Owner Contact: Lynn Reed
Oneok Partners, Bear Paw Energy
100 West Fifth Street
Tulsa, OK 74103-4298

Operator Contact: Al Cuykendall
Bear Paw Energy
16001 Bennie Pierre Road
Sidney MT 59270

Coverage under the 2009 reissued construction general permit (NDR10-0000) is identified as follows:

Permit ID: **NDR103445** Site Name: **Garden Creek Gas Plant**

Please remember to update the Stormwater Pollution Prevention (SWPP) plan as appropriate for site conditions. The best management practices (BMPs) and temporary structures must be inspected, maintained and adjusted until the site is stabilized following construction activities. Once the site is stabilized as outlined in the general permit, you may end permit coverage by filing a termination notice. Cities or counties may impose additional requirements and/or specific BMPs for construction affecting their storm drainage system. Please check with the local officials to be sure all local stormwater management considerations are addressed.

Additional Information

The permit conditions, forms and related information may be found on our web site at:

www.ndhealth.gov/wq/Storm/Construction/ConstructionHome.htm

Should you have any questions on the permit, please contact a stormwater staff person listed below.

Dallas Grossman
Division of Water Quality
701.328.5242
dgrossma@nd.gov

Environmental Health
Section Chief's Office
701-328-5150

Division of
Air Quality
701-328-5188

Division of
Municipal Facilities
701-328-5211

Division of
Waste Management
701-328-5166

Division of
Water Quality
701-328-5210



**NOTICE OF TRANSFER/MODIFICATION OF COVERAGE UNDER
(NDPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH CONSTRUCTION ACTIVITY (NDR10-0000)**

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF WATER QUALITY
SFN 54242 (02/10)

For Dept. Use Only

Date Received: ___/___/___

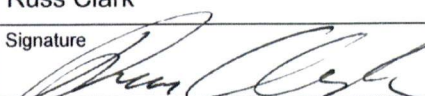
This form may be used to modify existing permit information for a permitted site. The form also may be used when an owner or operator of a construction project changes (see Part I.F of NDR10-0000). The new owner or operator may implement the original SWPP plan or develop a new SWPP plan. New permittees must ensure either directly or through coordination with others that their SWPP plan will meet the terms and conditions of the permit and will not interfere with another party's SWPP plan.

PERMIT ID NUMBER: NDR10- 3445

REASON FOR MODIFICATION:			
<input type="checkbox"/> Add Owner	<input type="checkbox"/> Add Contractor	<input type="checkbox"/> Remove Contractor	
<input type="checkbox"/> Change from Sole-Permittee to Co-Permittee			
MODIFICATION INFORMATION			
Company Name	Contact Person (Mr / Ms)	Phone No.	
Mailing Address	City	State/Province	Zip Code

OR:			
<input type="checkbox"/> New Owner	<input type="checkbox"/> New Contractor	<input type="checkbox"/> Address Change	<input checked="" type="checkbox"/> Company Name Change
OLD INFORMATION			
Company Name ONEOK Partners, Bear Paw Energy	Contact Person (Mr / Ms) Ms. Lynn Reed, P.E.	Phone No. 918-588-7380	
Mailing Address 100 West Fifth Street	City Tulsa	State/Province OK	Zip Code 74103-4298
NEW INFORMATION			
Company Name ONEOK Rockies Midstream, L.L.C.	Contact Person (Mr / Ms) Russ Clark	Phone No. 918-561-8053	
Mailing Address 100 West Fifth Street	City Tulsa	State/Province OK	Zip Code 74103-4298

OTHER:	
<input type="checkbox"/> New Project Name:	
<input checked="" type="checkbox"/> Other: ONEOK plans to make an addition on to the Garden Creek Gas Plant, expanding the facility to accommodate the growing demand for gas processing capacity of NGL produced in North Dakota. The type of activity would be no different than what was permitted under NDR10-3445, however an additional 80 acres would be disturbed during the construction of the expanded facilities.	

CERTIFICATION STATEMENT		
Return Completed Application to: North Dakota Department of Health Division of Water Quality, 4 th Floor 918 East Divide Avenue Bismarck, ND 58501-1947 Telephone: 701.328.5210 Fax: 701.328.5200	I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.	
	Printed Name Russ Clark	Title <i>Project Mgr</i>
	Signature 	Date 5-28-13

(Attach additional pages if needed)



871 Jefferson Avenue
St Paul, MN 55102

January 15th, 2014

Mr. Marty Haroldson
North Dakota Department of Health
Division of Water Quality
918 East Divide Ave, 4th Floor
Bismarck, ND 58501-1947

RE: ONEOK Rockies Midstream, L.L.C. – Garden Creek Gas Plants II & III
Application for Permit to Discharge – Hydrostatic Test Water

Mr. Haroldson:

On behalf of ONEOK Rockies Midstream, L.L.C. (ORM), E3 Environmental LLC (E3) is submitting this Application for Permit to Discharge for ORM's Garden Creek Gas Plants II & III project.

This project shall be limited to the hydrostatic testing of the new pipe at the Gas Plants. The source water for this testing shall be potable/municipal water. No additives will be used in conjunction with test procedures. After the hydrostatic test, the water will be used for dust control at the site or contained for offsite disposal. This process will include discharges to the ground on Plant property.

Project discharges may occur during multiple testing events as the Plants are being constructed. ORM may choose to utilize test water for dust control measures at the project site and surrounding access roads.

Due to the minor amounts expected to be discharged to the environment, ORM requests a waiver from standard water quality sampling requirements. Should you have any questions or seek additional information, please do not hesitate to contact me at 651-282-0657 or msteffenson@go2e3.com.

Best regards,

Maddy Steffenson
E3 Environmental, LLC

Enclosure - Garden Creek Gas Plants II & III Application for Permit to Discharge for Hydrostatic Test Water

CC: E3 Project Files



**APPLICATION FOR PERMIT TO DISCHARGE
(NDPDES) INDUSTRIAL-SHORT FORM C**
NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF WATER QUALITY
SFN 8319 (1-96)

FOR DEPT USE ONLY

Application Number
Date Received

Organization Responsible for Facility ONEOK Rockies Midstream, L.L.C.			
Individual Responsible for Discharge Russ Clark		Telephone Number (918) 561-8053	
Mailing Address 100 West 5th Street, Drop 16-3	City Tulsa	State OK	Zip Code 74102
Brief description of nature of operations which produce the discharge ONEOK Rockies Midstream, L.L.C. will hydrostatically test piping that has been installed as part of the Garden Creek Gas Plants II & III. The hydrostatic test will involve only new pipe at the gas plants, and will be conducted to ensure the structural integrity of the piping and welds at the plant. The source water used will be potable/municipal water that is trucked onsite. No additives will be used in conjunction with the test procedure. After piping at the Gas Plants has been filled and pressurized for a pre-determined period of time, the water will be used for dust control at the site or contained for offsite disposal. This process will include a minor amount of discharges to the grounds at the Gas Plant.			
Check all possible substances which discharge may contain: <input type="checkbox"/> Aluminum <input type="checkbox"/> Beryllium <input type="checkbox"/> Chromium <input type="checkbox"/> Cyanide <input type="checkbox"/> Mercury <input type="checkbox"/> Phenols <input type="checkbox"/> Zinc <input type="checkbox"/> Ammonia <input type="checkbox"/> Cadmium <input type="checkbox"/> Copper <input type="checkbox"/> Lead <input type="checkbox"/> Nickel <input type="checkbox"/> Selenium <input type="checkbox"/> Other _____			

METHOD OF TREATMENT IS TO ROUTE WATER TO:

<input checked="" type="checkbox"/> Municipal Sewer System	Owner of System	If discharge is to a municipal sewer system, skip to signature area at bottom.	
OR <input type="checkbox"/> Evaporation Lagoon or Ponds	Number of Ponds	Size of Each (Acres)	
OR <input type="checkbox"/> No Treatment, Goes to Surface Waters Directly	Name of Body of Water		
OR <input checked="" type="checkbox"/> Other (Specify) Discharge to the ground or used for dust control.			

Method of Treating Sanitary Wastes (if different from above)

N/A

TYPE AND AMOUNT OF WASTEWATER DISCHARGED TO TREATMENT SYSTEM(S) OR WATER OF THE STATE

Sanitary Wastewater _____ gal/day
 Cooling Water _____ gal/day
 Hydrostatic Testing **<1,500** gal/day
 Process Water _____ gal/day
 Surface Runoff Water
 Other: Type _____ / _____ gal/day

Frequency of Discharge from Treatment Facility (if only certain months please indicate) **Multiple events.**

Number of Separate Discharge Points: 1 2 3 4 or more If more than one, attach sheet with locations and types of waters handled at each point.

DISCHARGE POINT LOCATION	Latitude	Longitude		County
	0 [] [] []	0 [] [] []		
OR	[] ¼ SE [] ¼	Section 35	Township 151N	Range 98W
				County McKenzie

Provide a brief description of area to which treated discharge flows (i.e., river, unnamed stream, landlocked slough, lake, etc.). Use names whenever possible.

See Attached.

RETURN COMPLETED APPLICATION TO:
North Dakota Department of Health
Division of Water Quality
P.O. Box 5520
Bismarck, ND 58506-5520
Telephone: 701.328.5210

CERTIFICATION:

I certify I am familiar with NDCC 61-28-08 and with the information contained in this application. To the best of my knowledge and belief the information in this application is true, complete and accurate.

Name of Applicant Russ Clark	Title Project Engineer
Signature of Applicant 	Application Date 1-15-14

January 2014
ONEOK Rockies Midstream, L.L.C.
Garden Creek Gas Plants II & III



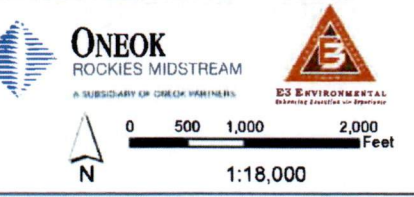
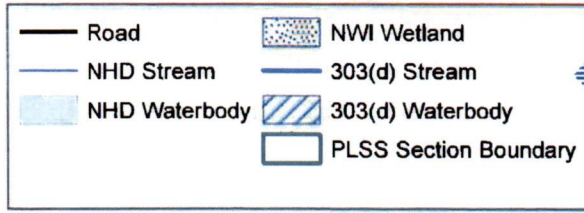
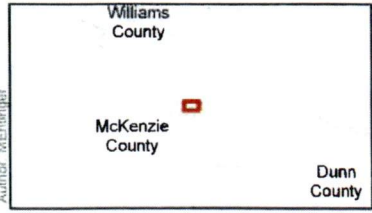
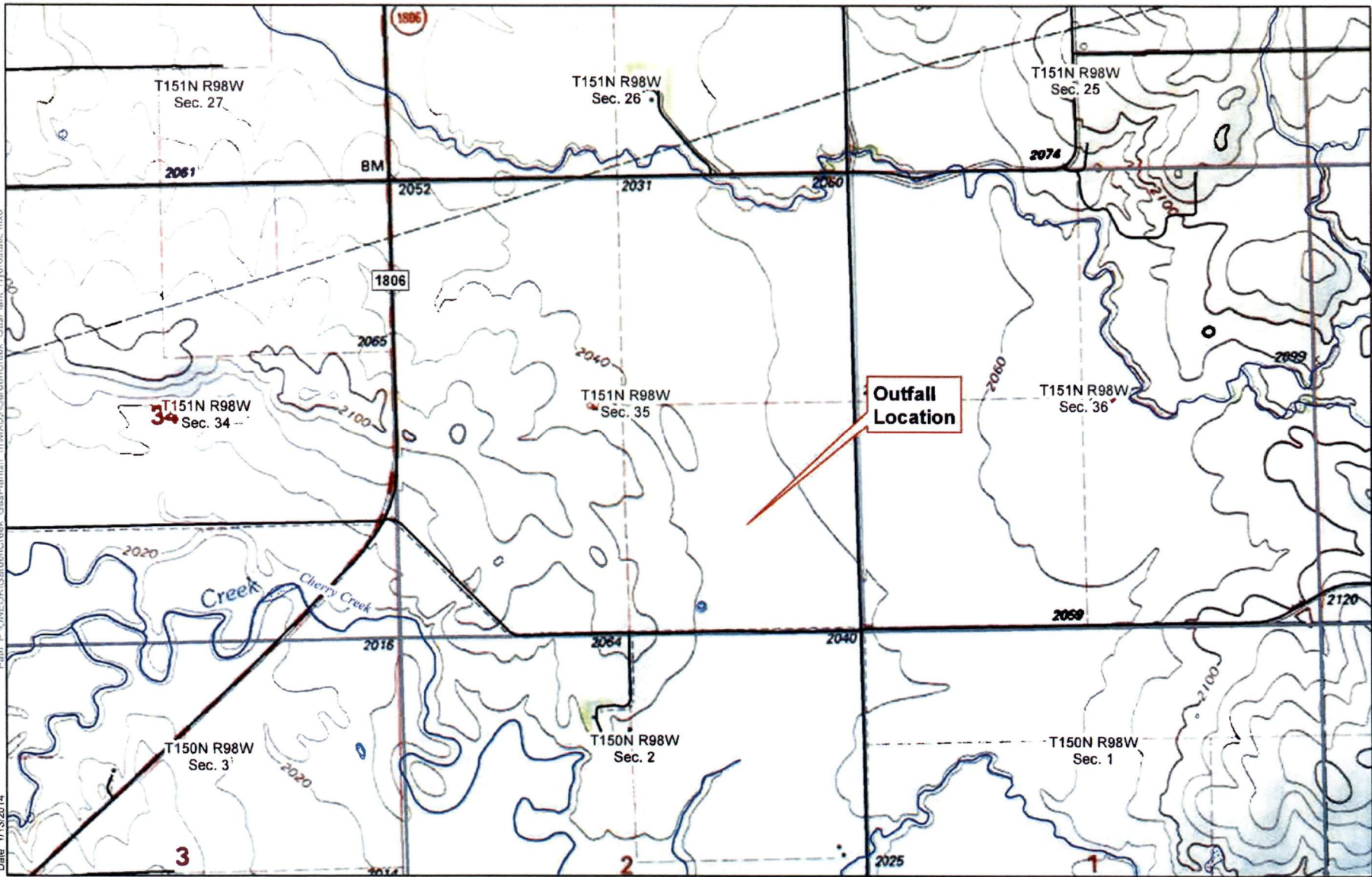
ONEOK Rockies Midstream, L.L.C.
Garden Creek Gas Plants II & III
NDDOH SFN 8319 – Supplemental Information

ONEOK Rockies Midstream, L.L.C. has identified the outfall location for the discharge of hydrostatic test water to be at the Garden Creek Gas Plant site located in the *SE ¼ of Section 35, Range 98W, and Township 151N of McKenzie County*. Discharges will be contained for offsite disposal. Alternatively, if test water is used as a dust control measure, the test water may also be applied across the project site. Sediment and erosion control methods will be implemented at the gas plant during construction as part of the Stormwater Pollution Prevention Plan. The nearest surface waterways are unnamed tributary to Tobacco Creek, and Cherry Creek.

Path: P:\ONEOK\GardenCreek_GasPlants\11\W\K\G\GardenCreek_GasPlant_Hydrostatic.mxd

Date: 1/13/2014

Author: M.Ehringer



**ONEOK Rockies
Midstream, L.L.C.**
Garden Creek Gas Plants II and III
Outfall Location
McKenzie County, ND



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov



February 18, 2014

Russ Clark
ONEOK Rockies Midstream, L.L.C.
100 West 5th Street, Drop 16-3
Tulsa, OK 74102

COPY

Re: NDPDES Permit No. NDG070416

We have received your "Application for Permit to Discharge - NDPDES Industrial-Short Form C" and have granted authority to discharge under the General Permit for Temporary Dewatering/Hydrostatic Testing Permit NDG070000. Your facility has been assigned permit no. **NDG070416**. This permit has been issued by the North Dakota Department of Health (NDDoH) with the understanding that all other applicable permits and permissions have been obtained for the start of the following project. The application indicates that the discharge(s) will consist of water from the hydrostatic test from the Garden Creek Gas Plants II and III.

<u>Discharge Point</u>	<u>Volume (Gallons)</u>	<u>Location</u>
001H	<1,500	Tobacco Creek and Cherry Chreek TWN 151N, RNG 98W, Section 35; McKenzie County

All discharge points shall be inspected daily. On a daily basis record the total volume of discharge and make a visual inspection for Oil and Grease. Analytical parameters for pH and Total Suspended Solids (TSS) shall be waived for this project. The parameter for Chlorine shall be tested only if the water source has been chlorinated. The parameter of Oil and/or Grease is waived unless sheen is observed in the discharge; if observed then collect a sample for Total Petroleum Hydrocarbon (TPH). The department shall be contacted on all findings of Oil and Grease. All discharges made directly to a surface water body or wetland shall be inspected closely so as to minimize any turbidity issues. Best Management Practices (BMPs) must be used to minimize the impact of the discharge.

ADDITIVES: No additives were reviewed for this project.

Enclosed are Discharge Monitoring Report (DMR) forms for your use. If someone else is responsible for the submittal of the DMRs, please forward this letter and the enclosed forms to them. The reports cover three months; the dates and location have been filled out. If no discharge occurs during the reporting period, check "No" in section one. The reports must be post-marked by the last day of the month following the end of each reporting period. All original DMR forms should be sent to NDDoH and a copy should be kept for your files. **EPA no longer requires a copy of the DMR form.**

If any other testing is conducted during this project, copies of the results of any such test should be forwarded to the Department. **Should you wish to no longer be covered under this permit, you must submit a written request to terminate and cite the reasons for termination.** Coverage shall be maintained until a written notification to release has been issued to the permittee by NDDoH. Should you have any questions about your permit or how to complete the DMRs, please contact me at (701) 328-5237.

Sincerely,

Sarah Waldron
Environmental Scientist
Division of Water Quality

Enc.

Cc: EPA
E3 Environmental, LLC

Environmental Health
Section Chief's Office
701.328.5150

Division of
Air Quality
701.328.5188

Division of
Municipal Facilities
701.328.5211

Division of
Waste Management
701.328.5166

Division of
Water Quality
701.328.5210