

Gathering & Processing Standard Document		
Owner: XX	Region 8 OGI Protocol	Doc No.: ENV-LDR-STD-X00X-PRO-0X
Doc. Custodian: XX		Rev. No.: 0
Approved by: XX		MPLX G&P
Date Approved: 01/29/2024	Next Review Date: N/A	Effective Date: 01/29/2024

Purpose	This monitoring plan provides MPLX G&P with a documented overview of the Optical Gas Imaging (OGI) requirements for the Gas Plants listed in Section 1.2.
Implementation	This protocol shall be implemented upon approval from Region 8 EPA as per CD P.48.b. This protocol was approved by Region 8 EPA on 01/29/2024.
Retention	Do not retain printed copies of this document more than 12 months. Revisions to this document will be retained indefinitely.
Definitions/Acronyms	<p>AVO – Audio Visual Olfactory – Product heard, seen, or smelled without use of equipment (other than a gas monitor)</p> <p>G&P – Gathering and Processing</p> <p>LDAR – Leak Detection and Repair</p> <p>OGI – Optical Gas Imaging</p> <p>HL – Heavy Liquids</p>

1.0 Program Overview

1.1 Basis

MPLX applies good operating practices throughout its facilities. Practices such as, audio, visual and olfactory (AVO) detection, as well as the use of liquid leak detection solutions e.g. Snoop. In order to demonstrate and document the effectiveness of operating procedures that minimize emissions from equipment leaks, MPLX has implemented a formal Leak Detection and Repair (LDAR) program. This LDAR program utilizes the monitoring methodology of Optical Gas Imaging to identify fugitive emissions from Covered Equipment as defined in 40 CFR 60.481a and Fin Fan Unit plugs in light liquid and/or gas vapor service. Optical gas imaging (OGI) technology provides a method to qualitatively find gas leaks; however, this technology does not provide leak quantifications. This protocol describes the documentation and repair requirements of any leak detected using the OGI technology along with a database for record collection. Use of this monitoring approach allows MPLX to demonstrate that its operating practices effectively control fugitive emissions from equipment leaks to negligible levels.

1.2 Facility Identification

- Gas Plants

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- Belfield Gas Plant
- Robinson Lake Gas Plant
- Stanley Compressor Station
- Ironhorse Complex
- Red Wash/24B
- Blacks Fork Gas Plant
- Vermillion Gas Plant

Facilities that are modified (see 40 CFR 60.14) or newly constructed will be added to MPLX’s LDAR program as applicable.

1.3 Schedule

MPLX will follow the procedures listed in Section 2.0 “Inspection Protocol” of this plan. Subject facilities will be monitored according to the requirements specified in the Consent Decree. See Table 1 below for applicable monitoring schedule.

Table 1. Gas Plant OGI Monitoring Schedule

Gas Plant	Covered Equipment	Monitoring Frequency	Repair Requirements
Belfield Gas Plant	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed
Robinson Lake Gas Plant	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed
Stanley Booster Gas Plant	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed
Ironhorse Gas Plant	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed
Red Wash / 24B (OOS)	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed
Blacks Fork Gas Plant	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed
Vermillion Gas Plant	VOC, Residue, HL, Fin Fan plugs	Semi-Annual	5-Day First Attempts, 15-Day Final Repairs, Repair Verification, DOR Allowed

1.4 Monitoring Technology

All LDAR inspections will be conducted using an OGI camera. OGI cameras detect the band of light in

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the electromagnetic spectrum that extends beyond visible light. An OGI camera can identify hydrocarbon vapors which indicate possible sources of fugitive leaks. It should be noted that the intent of this device is solely qualitative; it is unable to quantify the magnitude of a leak (i.e., the leak rate). However, the objective of this program is to identify and repair any observed leak regardless of its magnitude. In addition to allowing for the visual inspection of equipment for fugitive leaks, OGI technology is able to capture images and save them to an electronic file. During the course of these inspections, all leaks of potential methane or VOC emissions are documented, tagged and tracked until repaired. Documentation of leaks is further discussed in Section 2.4 “Leak Procedure and Documentation.”

1.4.1 Infrared Camera Inspections

MPLX will specifically be utilizing FLIR camera models GF320 and GFX320 or equivalent, as required by Consent Decree Paragraph 48.a(i) and 40 CFR 60.18(i)(1). Per manufacturer certifications (Appendix A), and as required by 60.5397a(c)(7)(i)(A) and (B), these cameras are capable of imaging gases in the spectral range for the compound of highest concentration in the potential fugitive emissions, and are capable of imaging gas that is half methane, half propane or 98% uhp methane at a concentration of 10,000 ppm at a flow rate of ≤ 60 grams per hour from a quarter inch diameter orifice.

1.5 Overview of Leak Repair Schedule

MPLX will be diligent about trying to repair every leak in a timely fashion; however, a delayed repair schedule will be required in instances where the facility must be shut down to make the repair. For every leak identified using OGI, the Repair Schedule in Table 2 below will be followed to repair the leak.

Table 2. Gas Plant Leak Repair Schedule

Repair Type	Timing
First Attempt	Perform a first attempt at repair no later than five Days after detecting a Leak
Second Attempt	No later than 15 Days after detecting the Leak unless such repair requires a Process Unit Shutdown
Delay of Repair	If repair requires a Process Unit Shutdown, complete the repair no later than the end of the next Process Unit Shutdown
Repair Verification	Perform Repair Verification Monitoring in accordance with Paragraph 36.a. of the Consent Decree. 36.a. is described as Repair Verification Monitoring no later than the next Day after each attempt at repair of the Covered Equipment. No Covered Equipment will be considered repaired until Repair Verification Monitoring demonstrates there is no Leak.

Additional information on the leak repair schedule is included in Section 2.4.1 “First Attempt at Repair and Delay of Repair Schedule.”

2.0 Inspection Protocol

2.1 Sensitivity Check

An OGI sensitivity check will be performed each day before camera use to maintain compliance with 40 CFR 60.18(i)(2) pursuant to paragraph 48.a.(iii) of the CD. Prior to beginning any leak monitoring work, the OGI instrument will be tested at the mass flow rate determined in Section 2.1.1 “Mass Flow Rate Calculations” for each camera configuration used during monitoring (different lenses used, etc.). A “Sensitivity Check” form will be completed during each daily sensitivity check (Appendix C).

A daily sensitivity check will consist of the following:

1. Start the OGI instrument according to the manufacturer’s instructions. Start with the camera in

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2. AUTO mode.
2. For the sensitivity check, use gas that is half methane, half propane or 98% uhp methane at a concentration of 10,000 ppm at a flow rate of ≤ 60 grams per hour from a quarter inch diameter orifice.
3. Apply a flow meter in Liters (1-5 Liters per minute depending on weather conditions) to the regulator on the methane cylinder.
4. Measure the distance from the OGI camera to the gas source. This distance is the maximum distance for imaging during the day's monitoring. This distance will be measured or estimated as is feasible (greater distances may also be used if an image is visible).
5. Use an emission rate of 60 grams per hour for the sensitivity check. The flow rate will be determined at the time of the leak check according to the equation illustrated below in Appendix C.
6. Open the valve on the flow meter to the calculated flow rate while observing and recording the gas flow image on the camera. If the gas flow image is not confirmed, the observer is to move closer to the gas source until an image is observed.
7. Document the sensitivity check with the sensitivity check form; recording date, inspector, gas used, flow rate, distance, camera serial number, lens size, camera thermal tuning settings (Auto or Manual and HSM-High Sensitivity Mode setting), wind speed, temperature, any other notes required.

2.1.1 Mass Flow Rate Calculations

To determine the required flow rate for methane gas: use the Sensitivity Check Excel Form shown in Appendix C.

2.2 On-Site Procedure

Using an OGI camera, a visual inspection will be performed on all components that have the potential to emit fugitive emissions of methane or VOC. This includes but is not limited to, valves, pumps, connectors, pressure relief devices, open-ended lines, flanges, covers, closed vent systems compressors, instruments, and meters. A defined observation path and sitemap shall be used for each site subject to this Consent Decree, to ensure all fugitive emission components are within sight of the path. Observation Path shall be attached to the site monitoring plan in Appendix B of this document. Operators will follow the defined observation path during monitoring unless weather considerations or other interferences require a different path to be used. Operators will ensure any deviations from the defined observation path will still include monitoring within the maximum imaging distance calculated during the daily sensitivity check. Note, the information presented in Appendix B, with the exception of information pertaining to viewing distance, is not required by the Consent Decree with US EPA and State Co-Plaintiffs entered on July 21, 2023, and is included only for informational purposes.

2.2.1 Weather Related Operational Considerations

The OGI camera can be adjusted to account for relative humidity of the air between the camera and the material being observed. If actual relative humidity is unable to be measured, it will be set to 50%. The OGI camera should not be used during periods of rain due to possible water damage to the sensitive electronic components. The camera's ability to detect emissions during snowstorms and extreme cold is greatly degraded, and therefore monitoring should not be conducted during such conditions. If weather and/or monitoring conditions deviate from those determined during the daily sensitivity check in Section 2.1. such that detection sensitivity will be reduced (e.g., increases in wind speed above 10 mph by more than 5 mph), the operator will re-perform the sensitivity check before monitoring continues to establish new parameters for the maximum distance from the OGI camera to the gas source and other limits. Based

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on their training, operators will use their best judgment to determine if there is adequate thermal background to proceed with the monitoring, and will postpone or reschedule as necessary.

2.2.2 Thermal Background

The ability to easily identify fugitive emissions decrease as the thermal energy differential between the fugitive emission and background decreases. Monitoring personnel will view each component using multiple camera angles and will select an angle that provides an adequate thermal background. During the monitoring survey, monitoring personnel will continuously perform a qualitative analysis of the thermal properties of the background to ensure that adequate thermal background is present. If monitoring personnel identify an area where questionable thermal background is present that may reduce the detection capabilities of the camera, one or both of the following procedures will be followed.

1. A temporary background will be inserted into the scene to create an adequate thermal background to increase the thermal energy differential between the component and the background.
2. An additional daily sensitivity check will be performed in the area of question to verify that adequate thermal background is present.

2.2.3 Wind Speed

Initially calculated during Daily Sensitivity Check in section 2.1. Wind speed will be periodically monitored for changes. If conditions change outside of the parameters originally used in daily sensitivity check, an additional daily sensitivity check will be performed. If wind speed is over 20 mph the inspection will be postponed.

2.2.4 Interferences

Monitoring personnel will be knowledgeable of the process streams typically present at a natural gas processing plant and will be able to identify sources of potential interference, such as steam. If a potential interference is identified, monitoring personnel will utilize alternate viewing angles to differentiate between the fugitive emission component and potential interference source.

2.3 Facility Inspection Documentation

Each facility inspection will be documented using an inspection software approved by MPLX. The records and documentation associated with the OGI monitoring inspections performed will include the following, in accordance with 60.5420a(c)(15) and CD (59)(e)

1. Date of the survey.
2. Beginning and end time of the survey.
3. Name of operator(s) performing survey. The OGI training and experience (in months) of the operator will also be included.
4. Serial number and type of monitoring instrument used.
5. Reference to one or more digital photographs or videos, captured from any device that meets the requirements below. The digital photograph will include the date the photograph was taken and the latitude and longitude of the collection of fugitive emissions components at the facility embedded within or stored with the digital file. If embedded latitude and longitude is not feasible, the digital photograph or video will consist of an image of the monitoring survey being performed with a separately operating GPS device within the same digital picture or video, provided the longitude and latitude output of the GPS unit can be clearly read in the digital image.
6. Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
7. Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
8. Documentation of each fugitive emission, including the following information:

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- a. Location.
- b. Number and type of components for which fugitive emissions were detected.
- c. Number and type of fugitive emissions components that were not repaired.
- d. Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found.
- e. Person making the repair and repair methods applied in each attempt to repair the fugitive emissions components.
- f. Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.
- g. The date of successful repair of the fugitive emissions component.
- h. Instrumentation used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.
- i. Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan, including if inadequate thermal background was determined by OGI operator.

All facility inspection documentation will be stored in the software used by MPLX and retained for a period of 5 years from the date of inspection, as referenced in Section 3.0.

2.4 Leak Procedure and Documentation

If the OGI camera indicates a leak, the leak will be documented in the software used by MPLX. An OGI video of the leak will be maintained, and if the video file must be maintained separately from the leak record/software for technical reasons, a reference to the OGI video filename will be maintained in the leak record. The operator will note (as part of monitoring software) if a first attempt to repair the leak was able to be made. If a first attempt was able to be made, the operator will note if the repair attempt was successful. If a first attempt to repair was unable to be performed, or the leaking component is unable to be repaired during initial monitoring, the equipment will be tagged on the leak. Tags will be weather-resistant, sequentially numbered, and tag numbers will be noted in the software. A digital photograph of the location of the leak may be taken to assist field personnel in identifying leaking components unable to be immediately repaired. Operators will be notified of tagged leaks and have 15 days from initial fugitive emission detection to make a final repair and verify leak repair.

Some pieces of equipment found at these facilities vent by design and are not fugitive emissions components. Pneumatically actuated devices such as liquid level controllers and pressure controllers use field supplied natural gas and depending on their design, may continuously emit or emit as they are actuated. The images associated with these sources are considered on a case-by-case basis to determine if the emissions are significantly above 'normal' operating conditions.

2.4.1 First Attempt at Repair and Delay of Repair Schedule

As stated above, operators will have 5 days from initial fugitive emission detection to make the first attempt at repairing the leaking component. If it is determined that a component is technically infeasible to repair without a process unit shutdown or is not applicable for drill and tap (valves) CD Paragraph 37 , the component will be placed on the delay of repair list. If shutdown is required, the leak must be repaired during the next scheduled shutdown, or within two years, whichever is earlier.

2.4.2 Leak Repair Verification and Documentation

Once a fugitive emission leak is initially detected, the operator will have 5 days to make a first attempt at repair. Repair of a tagged component, if applicable, and resurvey the component to verify leak repair shall be completed within 15 days of initial leak detection. Resurvey of the leak after each repair attempt will

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be completed in compliance with CD paragraph 36(a). Inspectors will verify repair using OGI by demonstrating the instrument shows no visible indication of emissions, or will verify repair using a calibrated Method 21 instrument by demonstrating the screening value of the leak is below the leak definition applicable to the equipment under the LDAR Program required by the Consent Decree and under applicable regulations. An OGI video of the repaired leak will be maintained, and if the video file must be maintained separately from the leak record/software for technical reasons, a reference to the OGI video filename documenting repair of the leak will be maintained in the leak record. The leak tag may only be removed once repair of the leak has been verified.

As a backup methodology for leaks detected by OGI, only to be used in situations of inclement weather or other constraint that prevents repair verification using OGI or a Method 21 instrument and is not due to insufficient planning, repair verification may be performed using a soap solution if all of the following conditions have been met: the leak source does not have continuously moving parts, does not have surface temperatures greater than the boiling point or less than the higher of 40 degrees Fahrenheit or the freezing point of the soap solution as measured with a calibrated temperature gun, does not have open areas to the atmosphere that the soap solution cannot bridge, and does not exhibit evidence of liquid leakage. The operator shall follow the leak testing procedure using a soap solution provided under 40 CFR Part 60 Appendix A for Reference Method 21—Determination of Volatile Organic Compound Leaks, Section 8.3.3.2. If a soap solution is used to verify repair for leaks detected by OGI, the operator will document the circumstances of the repair verification and demonstrate how each of the above conditions, including the requirement for prudent planning to use OGI or a Method 21 instrument for verification, were met and the repair verification via soap solution needed to be used as a backup methodology. This information will be reported to the EPA and the Applicable State Co-Plaintiffs in the CD annual monitoring report, as required under Section 3.2. of this Protocol.

Repair attempts will be documented in software and will be completed following the resurvey of the leak. The software will include the following:

1. Facility name
2. Person performing repair
3. Date leak was reported
4. Description of leak and associated tag number
5. Description of each repair attempt (i)
6. Date of each repair attempt (i)
7. Method used to verify repair of leak
8. 10 second OGI videos documenting leaks and repaired leaks, either within the software or separate from the software.
9. OGI video filenames for the leak and the repaired leak if the video files must be maintained separate from the software.
10. Reason for delay of repair.

2.4.3 Leak Tracking Procedure

Following the inspection, the software will be used to detail the location information, inspection date, leaks detected, and the associated tag numbers. Following leak repairs and verification, the same software will be updated to include the date of repair to close out each leak.

2.4.4 Leaks from Equipment Other than Covered Equipment or Fin Fan Units

If, during OGI monitoring under Paragraph 48, MPLX detects Leaking equipment that is not Covered Equipment or a Fin Fan Unit plug, MPLX shall repair the equipment as may be required by Subpart OOOOa or other applicable LDAR Regulation.

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3.0 Recordkeeping and Reporting

3.1 Recordkeeping

Electronic files containing OGI pictures, and calibration gas certifications for gas used to perform sensitivity checks will be maintained by MPLX for a period of five (5) years and will be made available upon request. Facilities subject to CD requirements will submit annual reports for each collection of fugitive emissions components at each collection of fugitive emissions from the subject facility.

3.2 Reporting

Each CD annual monitoring report will be submitted to the EPA and the Applicable State Co-Plaintiffs annually and include the following information in accordance with the CD reporting requirements as found in section 74(b)(i-vii), Reporting Requirements for the Subject Gas Plants.

1. Identification and descriptions of any non-compliance with the requirements of CD paragraph 48.
2. Date and Location (including unique equipment identification number, if applicable) of each Leak detected during monitoring period in CD Paragraph 48.
3. Date and Location (including the unique equipment identification number, if applicable) of each potential Leak identified during monitoring performed in CD Paragraph 48 that MPLX subsequently verified were not Leaks using Method 21 instrument readings.
4. Date of all repair attempts performed pursuant to CD Paragraph 48.
5. Repair Method or type used during each repair attempt performed pursuant to CD Paragraph 48.
6. Date, Time, and Results of any post repair remonitoring with the OGI instrument or Method 21 performed pursuant to CD Paragraph 48. If a soap solution needed to be used as a backup repair verification method under Section 2.4.2., the specific circumstances of each repair verification demonstrating how each of the conditions in Section 2.4.2., including the requirement for prudent planning to use OGI or a Method 21 instrument for verification, were met.
7. If applicable, documentation of compliance with
 - a. CD Paragraph 38 for Covered Equipment placed on the DOR list
 - b. CD Paragraph 48.d(ii) for delayed repair of Fin Fan Unit plugs
 - c. CD Paragraph 49 for delayed repair of equipment other than Covered Equipment or Fin Fan plugs.

4.0 LDAR Program Maintenance

4.1 Operator Training

Any MPLX staff member who has received the training specified below may use the OGI instrument. Additionally, the camera may be used by contractors and consultants who have obtained appropriate training and have been authorized by the MPLX G&P LDAR team to conduct monitoring.

4.1.1 Necessary Training

One of the following trainings must be satisfactorily completed before using the OGI camera:

1. Certified Level I Infrared Thermography or optical gas imaging course from OGI camera manufacturer. At least one MPLX camera operator shall receive this level of training.
 - a. The Level I Infrared Thermography training course is geared to the new OGI camera user and focuses on the camera's use for a variety of condition monitoring/predictive maintenance applications. Attendees who complete all training course requirements and a thermography assignment receive a Level I

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- Infrared Thermography certification, or
2. On-the-job Training developed and provided by experienced and proficient OGI users who meet the field-time qualification to provide training in Section 4.1.2. This training will cover similar topics and have similar requirements to the Level I Infrared Thermography training, and shall also include on-the-job training consisting of:
 - a. at least four hours of field training, and
 - b. One additional field-check in which the trainee and a certified camera operator conduct side-by-side observations of operating equipment that has the potential for observable emissions.

4.1.2 Operator Certification and Trainer Qualification

After successfully completing one of the trainings described in Section 4.1.1, an operator shall be certified to use OGI within an MPLX facility. After no less than 100 hours of field OGI work, this person shall also be qualified to provide OGI training to others for operating an OGI camera at a specific facility.

All documentation of training both from an OGI camera manufacturer and on-the-job training shall be retained by MPLX.

4.2 Calibration and Maintenance Procedures

At a minimum, MPLX calibration and maintenance procedures will comply with those recommended by the manufacturer. The text below does not replace procedures described in the manufacturer-supplied operating manual for the OGI instrument.

4.2.1 Calibration Procedure

In general, calibration of an OGI camera is not conducted by the user. The camera must be returned to the manufacturer for this specialized service. The LDAR Coordinator of these facilities is responsible for ensuring that all necessary preventative maintenance that is recommended by the camera manufacturer is completed on schedule. Calibration will be done according to manufactures recommendation for gas detection.

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Appendix A – OGI Manufacturer Certifications

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EPA 0000a CERTIFIED

INDEPENDENT TESTING DEEMS FLIR CAMERAS COMPLIANT

FLIR is proud to announce its GF320, GF300, and G300a cameras have been independently tested and deemed compliant with the EPA's NSPS 40 CFR part 60, subpart 0000a sensitivity standard for optical gas imaging equipment.

Testing was performed by the National Physical Laboratory (NPL), which confirmed the FLIR GF320, GF300, and G300a optical gas imaging cameras are capable of imaging a gas that is half methane, half propane at a concentration of 10,000 ppm at a flow rate of $\leq 60\text{g/hr}$ from a quarter inch diameter orifice.

Note: GF320, GF300, and G300a cameras have identical detectors, hydrocarbon filters, optical platforms, and HSM algorithms.

CALIBRATION REQUIREMENTS

Gas Detection: No Calibration Required

The GF320, GF300, and G300a camera's ability to detect gases is not influenced by any calibration process and will not degrade over time.

GAS COMPOUND DETECTION

The GF320, GF300, and G300a optical gas imaging cameras are capable of imaging a wide array of gas compounds, but were specifically designed to see the following hydrocarbons:

Methane	Isoprene
Benzene	MEK
Propane	Methanol
Butane	MIBK
Ethane	Octane
Ethanol	Pentane
Ethylbenzene	Propylene
Ethylene	Toluene
Heptane	Xylene
Hexane	1-Pentene

QUESTIONS AND MANUALS

To download the latest GF Manual or address questions to the FLIR Gas Detection team, please go to our FLIR Customer Support Portal: <http://flir.custhelp.com>

GAS DETECTION TRAINING

Learn about ITC training courses for gas detection and 0000a program development - www.infraredtraining.com

Visit our blog for the latest updates in FLIR Gas Detection - www.flir.com/FLIRNews

www.flir.com/ogi



Methane leaks now visible with FLIR OGI cameras



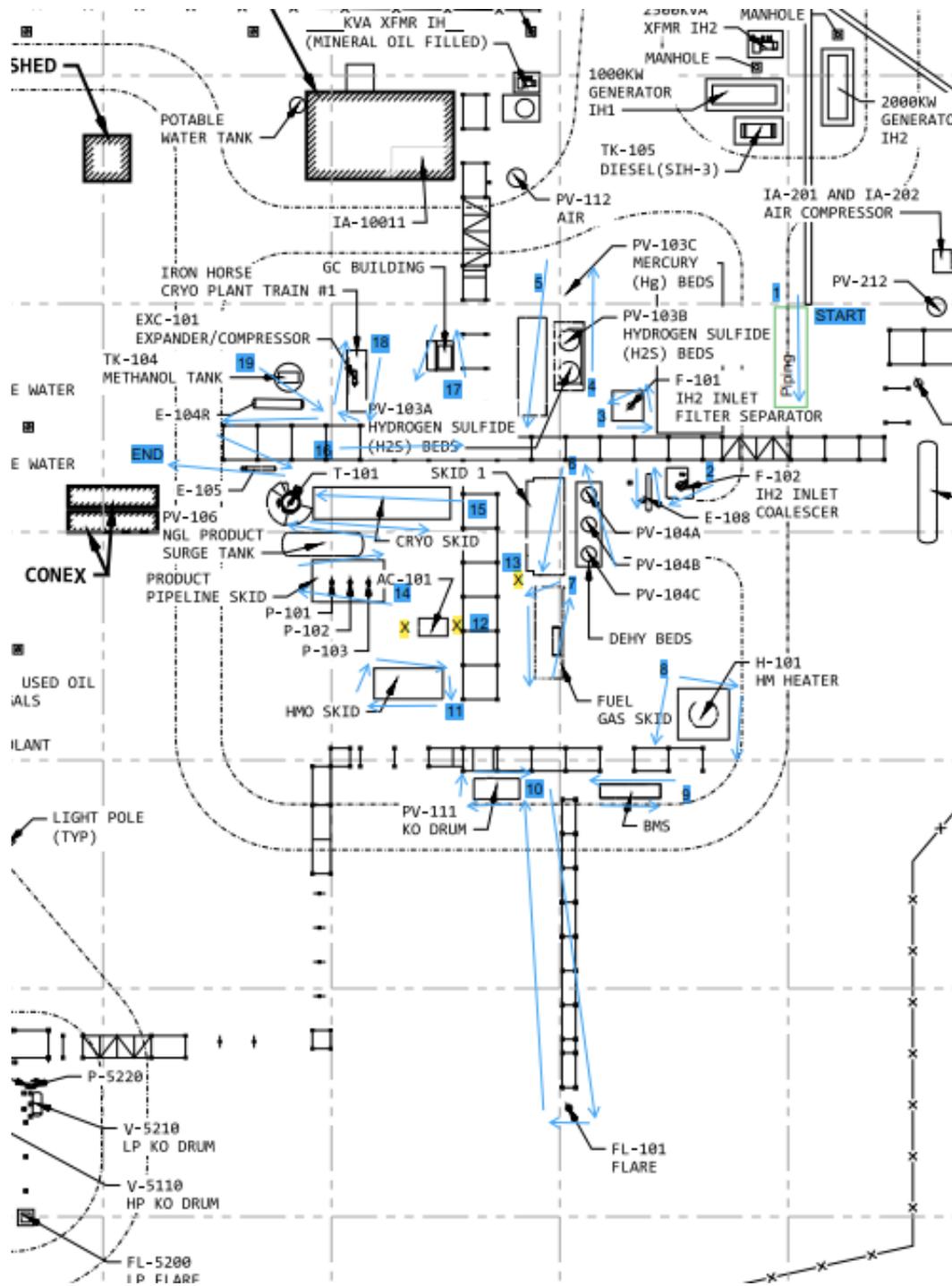
The World's Sixth Sense

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Appendix B – Gas Plant Walking Path

The information presented in Appendix B, with the exception of information pertaining to viewing distance, is not required by the Consent Decree with US EPA and State Co-Plaintiffs entered on July 21, 2023, and is included here only for informational purposes.

Iron Horse Train 1

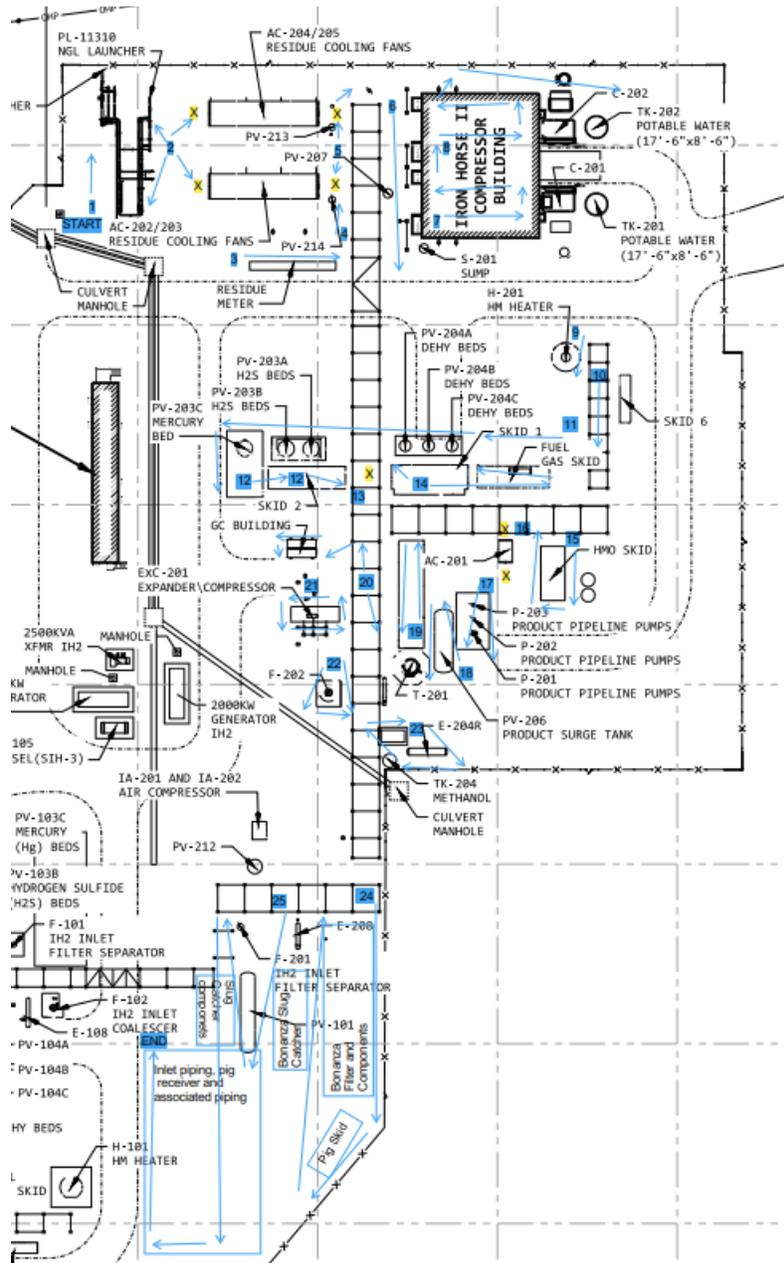


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Iron Horse Train I Walking Path Description

1. Start at future piping flanges on deck
2. Follow piping to the F-102 Inlet Coalescer, around E-108 Inlet gas heater to the sidewalk
3. Walk around F-101 Inlet Filter Separator
4. Look at the back (East) side of the H2s and Mercury guard beds.
5. Proceed to the west side of the skids and look at all components heading south toward the Dehy Beds
6. Survey dehy beds heading South to the dehy dust filters (lower level) and fuel gas skid (upper level).
7. Dehy dust filters/fuel gas skid
8. Go East to H-101 HM Heater. Survey all sides ending on the sidewalk.
9. Survey components to the South of the sidewalk and in pipe rack overhead.
10. Stop at PV-111 KO drum and pump skid. Follow piping up the hill to the flare, look at all components and head back to KO drum skid, finish surveying this skid.
11. Cross the sidewalk to the Hot Oil skid. Survey all components from all 4 sides.
12. Go North on sidewalk surveying valves etc. between skids. Stop on sidewalk in front of AC-101 look at plugs. Walk to West side and look at plugs.
13. Walk North on sidewalk stop North of fuel gas skid and survey fan plugs
14. Head Northwest to the Product Pipeline Skid. View all components go between NGL Surge Tank and Cryo Skid to look at Surge tank level gauge etc. survey cryo skid components from the ground level, headed East.
15. Go around to North side of skid and start on the skid. Survey all components from East to West on Cryo Skid. Pay close attention to the BHX and all exchangers. Notify Ops immediately of any leaks.
16. After leaving the Cryo skid head East along sidewalk looking at all valves and other components along the sidewalk.
17. Proceed North to the GC building. Look at all components on the outside and inside of GC building
18. The expander skid is to the West of the GC building walk around all 4 sides of the Expander Skid.
19. Survey the Methanol Tank and Side Re-boiler to the West of the Expander skid

Iron Horse Train 2

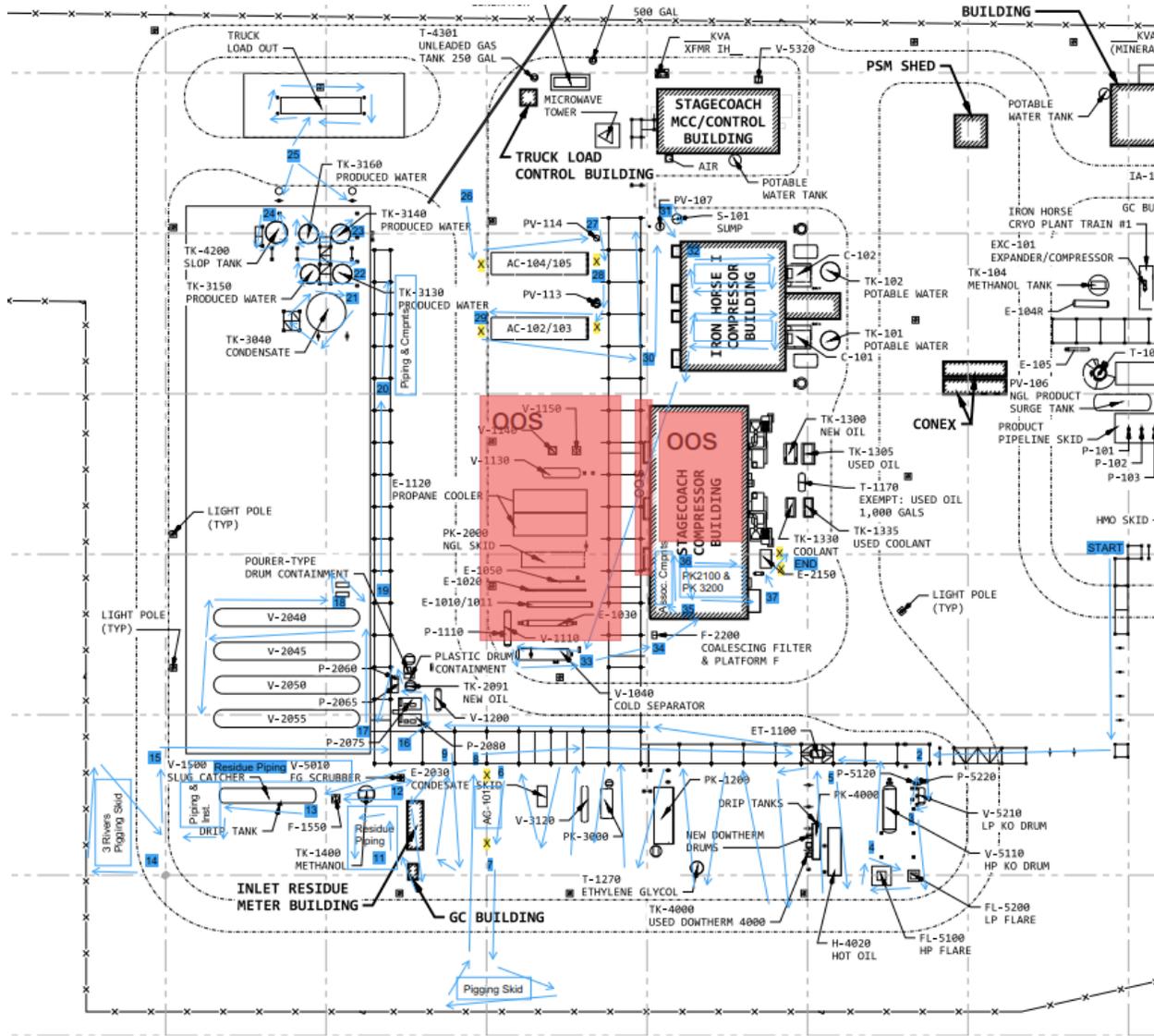


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Iron Horse Train II Walking Path Description:

1. Start at the pig launchers by the entrance gate to IH. View all components associated with the pig launchers and the residue lines.
2. When monitoring on the East side of the launcher piping. Stop at the observation points indicated with an "X" to observe the West end of the cooling fan plugs.
3. Proceed to the residue pipeline/meter observing all components associated with that line.
4. When reaching the sidewalk, head North observing all components between the sidewalk and cooling fans.
5. While observing this equipment, stop when in the areas indicated by an "X" to observe cooling fan plugs.
6. Proceed to the area between the sidewalk and turbine building. Inspect all components between the sidewalk and building. Traveling from North to South. Ending at the sump pump.
7. Enter the turbine building.
8. Look at both turbines and all associated components following the direction on the walking path.
9. Exit the turbine building through the Northwest door and head towards the Heating unit to the Southeast building and inspect all components.
10. Follow the sidewalk, viewing all the equipment located to the East of the sidewalk and in overhead pipe racks.
11. When reaching the residue skid, walk down the North side of the residue, dehy, H2S, and Mercury guard bed skids, observing all components.
12. Inspect the Mercury guard bed skid and H2S skids as indicated on the walking path.
13. Stop at the "X" and observe the cooling fan plugs on AC 206 regen gas cooler.
14. Observe all components on the ground level of the dehy/residue gas skid. Walk upstairs to observe the second level of the skid. While up there, observe the tops of the dehy towers and all components located on the pipe rack and hot oil skid.
15. Go back down to ground level, observe components located around and on Hot Oil skid.
16. Stop at areas indicated with "X" on the walking path to observe cooling fan plugs on both ends of AC-201.
17. Follow piping and walk to the pump skid located to the southwest of the cooling fan. Observe pumps and all associated components between pumps and slug catcher.
18. Survey the components under and on top of Surge Tank.
19. Follow route to Cryo skid. Spend extra time on the BHX and all exchangers and notify Ops immediately of any leaks.
20. Continue on other side of cryo skid looking at all equipment between the skid and sidewalk. Proceed to the GC building. Observe all components in pipe rack overhead and outside GC building. Enter GC building and survey inside building.
21. Continue to the Expander Skid. Look at both levels and all components associated with the Expander skid.
22. Moving to the South of the Expander, observe the Inlet Filter Coalescer and all components located around it.
23. East of the sidewalk is the Side Reboiler, methanol pump and associated components. Observe components on all 4 sides. Then continue South on sidewalk to the Slug Catchers/Inlet Filter/Pigging Skid.
24. Follow walking path to observe all "Bonanza" components, Bonanza Slug Catcher and pigging area.
25. Look at IH Inlet Coalescer and follow piping to the Slug Catcher and proceed to the components associated with the Slug Catcher, pig receivers and piping.

Stagecoach



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Stagecoach Walking Path Description:

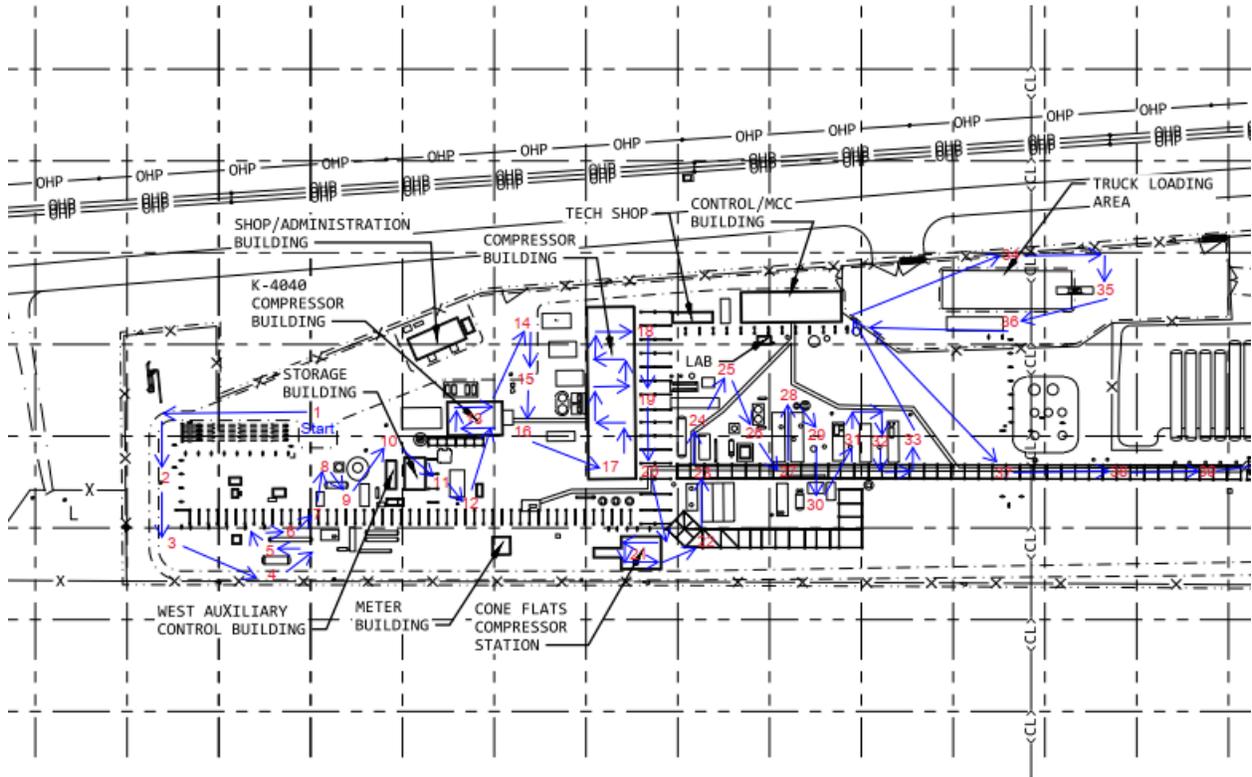
1. Start at the sidewalk corner West of the IH1 Flare KO Drum. Follow the piping up the hill to the South. Turn and follow the piping West to the sidewalk.
2. Stop at the truck load outs. Head South looking at the pumps, components and -5210 LP KO Drum
3. Follow piping to the LP flare observing all components. Walk around all sides of the LP Flare and the HP Flare that sits West of the LP Flare
4. Follow piping to the HP KO Drum. Looking at all components above and around the sidewalk
5. Proceed in a serpentine pattern through all of the piping and skids South of the Sidewalk
6. Stop at both ends of AC-101 observing the plugs.
7. Walk South across the dirt roadway and view all sides of the pigging skid that sits by the perimeter fence.
8. Proceed North to the sidewalk and follow it East, observing all components to the North of the sidewalk. Then look at those components from the North side, (walking to the West)
9. When arriving at the end of the components, cross the sidewalk to the residue piping to the South of the sidewalk. Survey all piping and components, enter the Inlet Residue Meter Building observe everything in the building.
10. Walk to the Inlet Residue Meter Building and the GC building to the South of the residue building. Survey all exterior and interior components.
11. Next observe all residue piping and components to the West of the buildings.
12. Survey all 4 sides of V-5010 Fuel Gas scrubber, F-1550 Fuel Gas Filter and all components between the residue piping and the sidewalk.
13. Walk West and survey all components associated the V-1500 Slug Catcher while heading to the West Perimeter.
14. On the West perimeter fence observe the 3 Rivers Pigging Skid.
15. Walk Northeast toward V-1500 Slug Catcher. Observe all residue piping between the slug catcher and the tank berm.
16. At the Northeast corner of the berm cross the sidewalk to the Stagecoach pumps skid. Walk around all 4 sides of the pump skids to view all components located on them. Walk to the Southeast corner of the tank berm and observe all the components that run parallel to the berm between the berm and the sidewalk.
17. Cross over into the berm and view all components including level gauges and valves on top of the bullet tanks V-2055, v-2050, V-2045 and V-2040. Walk West to the West end of the bullet tanks and observe the few components on the West end of the bullets.
18. Head back to the Northeast corner of the bullet tanks to observe the Pump skid located inside the berm.
19. Out of the berm, follow the sidewalk North observing all components in the pipe rack overhead.
20. At the North East end of the berm view the components on the east side of the sidewalk before entering the berm to view the rest of the tanks
21. Walk all the way around TK-3040 Condensate Tank, climb up the ladder to the platform to view the components on top of the tank.
22. Proceed to T-3130 and T-3150 produced water tanks and view all components from the ground. Continue North to TK-3140 and 3160 and view all components from the ground
23. Climb the stairs to the catwalk and view all components on top of the produced water tanks.
24. Proceed West to TK-4200 slop tank. View all components from the ground. Climb the ladder to the platform to view components on top of the tank. produced water tanks. View all components

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- from the ground. Climb up to the catwalk and view all components on top of the produced water tanks.
25. Survey the truck load out valves in the catch basins. Cross the dirt road to the Truck Load Out area. Start at the Southeast corner and walk around the load out ending at the Southeast corner
 26. Walk across the road towards the West end of the IH1 turbine cooling fans. Stop at the West end of AC-104/105 to view the plugs.
 27. Walk East to survey PV-114, also look at the East fan plugs on AC-104/105
 28. Look at all components on the west side of the sidewalk after surveying PV-113, look at the East plugs on AC-102/103.
 29. Walk to the West end of AC-102/103 and view plugs on the West end.
 30. Walk East to the components between the sidewalk and the turbine building. View all components from both sides. Then head to the Northwest corner of the turbine building door.
 31. View PV-107 and S-101
 32. Enter the turbine building, Walk all 4 sides of each of the 2 turbines in the building. Exit the building at the Southwest door.
 33. Walk South to the end of the sidewalk past the OOS components. To the west end of the sidewalk view V-1040 Cold Separator.
 34. Head to the Southwest corner of the Stagecoach compressor building survey F-2200 coalescing filter and platform.
 35. Enter the building from the south door. Survey the valves, piping and associated components along the west wall opposite of PK3200 and PK 2100.
 36. View PK3200 and PK2100 from the North, West and South sides.
 37. Proceed East out of the bay door stopping to view E-2150 A & B fin fan plugs and P-2100. Ending survey at the Southeast corner of the compressor building

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Blacks Fork 1



Blacks Fork 1 Walking Path Description:

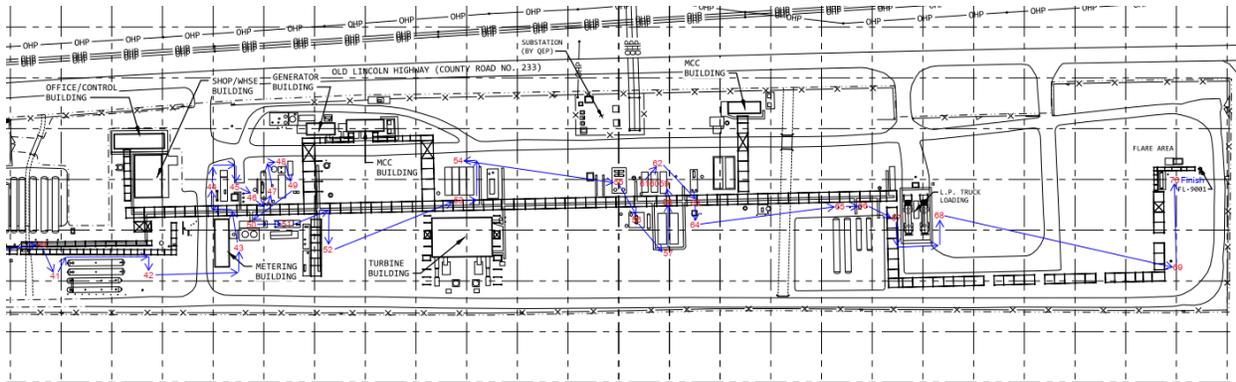
1. Start at the east end of the slug catchers view.
2. Move around to the west side of slug catchers to the pig receivers.
3. Move to the west end of the pipe rack and view down pipe rack.
4. Move to south side of 3 phase separator and view separator.
5. Move between 3 phase separator and view north side of separator and south side of exchangers.
6. Move to north side of exchangers and view north side of exchangers and pipe rack again.
7. Move to catwalk above pipe rack and view down both sides.
8. Move down north side of catwalk to view north side of QPC Separator and associated piping.
9. Move to view south side of QPC sep and surrounding piping.
10. Move to west side of K-4040 coolers and view fin fan plugs and surrounding piping.
11. Move behind heaters and view surrounding piping.
12. Move to south side of heater to view surrounding piping, heater, and up and down pipe rack east and west.
13. Move inside K-4040 compressor bldg. and walk around compressor viewing all sides.
14. Move to east side of compressor bldg. to view fin fan plugs on K-102/202B and K-102A.
15. View K-102A and K-950 fin fan plugs.
16. View K-500 fin fan plugs.
17. Enter compressor bldg. from the southwest door and weave in and out of compressors viewing all sides of each compressor.

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18. Exit northeast door of compressor bldg. onto catwalk and view surrounding pipe racks on all sides.
19. Walk down catwalk viewing surrounding pipe racks on all sides.
20. Walk further down catwalk viewing surrounding pipe racks on all sides.
21. Proceed to the K-402 compressor building and walk around the compressor viewing all sides.
22. Move to the south side of the propane coolers to view south fin fan plugs and surrounding piping.
23. Move to the north side of the propane skid and coolers to view the north side fin fan plugs and propane skid, and also the south side of the stabilizer skid.
24. Move to the north side of the stabilizer skid to view the stabilizer skid and V-1.
25. Move to the northeast corner of the new stabilizer and view the new stabilizer skid and the stabilizer cooler fin fan plugs.
26. Move to the west side of the cryo dehy skid to view the skid and the dehy beds.
27. Move to the catwalk south of the cryo skids and view the skids and the MAPCO surge tank.
28. Move to the north side of the cryo skids and view them.
29. Move between the cryo skid and the deethanizer skid and view both.
30. Move to the Mapco pump area and view the pumps, surge tank, and the fin fan plugs for the regen cooler.
31. Move between the deethanizer skid and the propane skid and view both sides.
32. Move between the propane skid and the butane skid and view both sides.
33. Move to the east side of the butane skid and view skid.
34. Move to the north side of the loading rack and view the loading rack.
35. Move to the east side of the loading rack and view loading rack lines.
36. Move to the south side of the loading rack and view the loading rack.
37. Move to the sidewalk under the pipe rack and view the pipe rack.
38. Move forward still under the pipe rack and view the pipe rack again.
39. Move to the south side of the storage tanks and view the storage tanks, the pipe rack, and the flare KO system.

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Blacks Fork 2



Blacks Fork 2 Walking Path Description:

1. Move to the south side of the propane tanks and view the tanks and the pipe rack above.
2. Move to the west side of the slug catchers and view them.
3. Move to the east side of the slug catchers and view them and the pig receiver.
4. Move to the south side of the mercury beds and view them and the inlet piping.
5. Move to the west side of the inlet filter and view it.
6. Move to the east side of the inlet filter and view it.
7. Move to the pipeline pumps and view them.
8. Move between the surge tank and the cryo skid and view them, and the demethanizer.
9. Move to the north side of the cold liquid pumps and view them and the methanol system.
10. Move to the east side of the cryo skid and view it and the expander/compressor.
11. Move to the mercury beds and view them.
12. Move to the dehy skid and view the dehy system.
13. Move to the east side of the regen and fuel gas skid and view it.
14. Move to the south side of the residue coolers and view the fin fan plugs.
15. Move to the north side of the residue coolers and view the fin fan plugs.
16. Move to the deethanizer skid and view the condensing system and deethanizer overhead lines.
17. Move to the refrige compressor bldg. and view the compressor and associated piping.
18. Move to the south side of the refrige coolers and view the fin fan plugs.
19. Move to the north side of the refrige coolers and view the refrige coolers fin fan plugs, the propane condenser fin fan plugs, the butane fin fan plugs, and iso-butane fin fan plugs.
20. Move to the iso-butane skid and view the skid from all levels.
21. Move to the butane skid and view the skid from all levels.
22. Move to the propane skid and view the skid from all levels.
23. Move to the north side of the coolers and view the fin fan plugs.
24. Move to the north side of the gasoline coolers and view the fin fan plugs.
25. Move to the south side of the gasoline coolers and view the fin fan plugs.
26. Move to the north side of the gasoline tanks and view the tanks, pumps, and associated piping.

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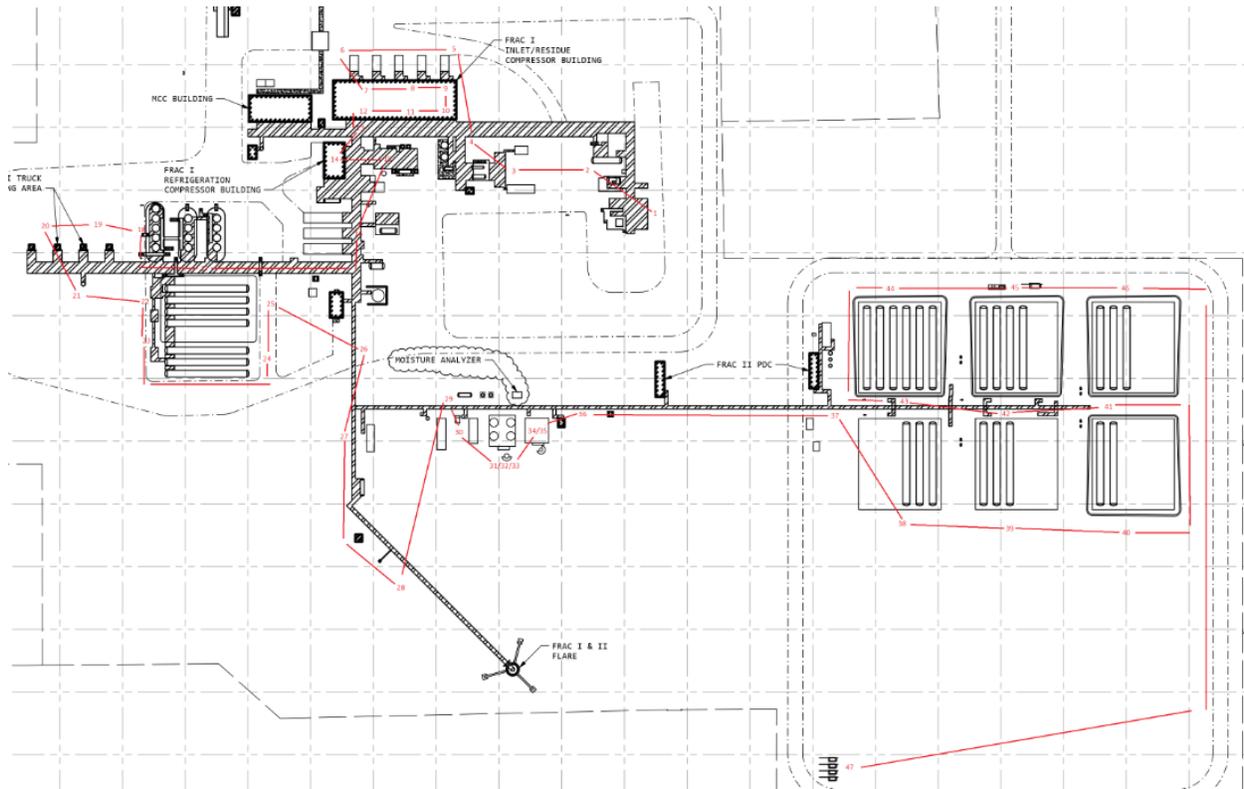
27. Move to the north side of the slop tanks and view the tanks, pumps, and associated piping.
28. Move to the west side of the gasoline loading rack and view the rack.
29. Move to the east side of the gasoline loading rack and view the rack.
30. Move to the loading rack combustor and view the combustor.
31. Move to the flare KO drum and view the drum.

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21. Move between the process bldg. and the compressor bldg. and view piping.
22. Move to CM-11.701 residue compressor and view scrubber drain lines.
23. Move to CM-11.401 residue compressor and view scrubber drain lines.
24. Move to CM-11.301 residue compressor and view scrubber drain lines.
25. Move to CM-11.201 inlet compressor and view all sides of compressor and associated lines.
26. Move to CM-11.101 inlet compressor and view all sides of compressor and associated lines.
27. Move to west side of CM-11.101 and view fin fan plugs.
28. Move to west side of CM-11.201 and view fin fan plugs.
29. Move to west side of CM-11.301 and view fin fan plugs.
30. Move to west side of CM-11.401 and view fin fan plugs.
31. Move to west side of CM-11.701 and view fin fan plugs.
32. Move to the truck loading rack and view rack and surrounding lines and pump.
33. Move to the south side of condensate tanks and view tanks.
34. Move to the catwalk above condensate tanks and view tanks.
35. Move to the west side of the stabilizer skid and view stabilizer skid.
36. Move to the north side of the stabilizer skid and view skid and cooler fin fan plugs.
37. Move to the east side of the stabilizer skid and view skid and VRU compressor skid.
38. Move to the southeast side of the VRU skid and view VRU skid.
39. Move to the flare KO drum and view drum and associated lines.

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Belfield



Belfield Walking Path Description:

1. Survey East and West side of Pig Launcher/Receivers and pipe alley
2. Continue North to monitor the Inlet Separator V-5002 and East/West pipe alley
3. Move west to the Frac 1 Skid/De-Propanizer/De-Butanizer capturing all sides of vessels
4. Then survey the Westside Frac 1 Skids
5. Cross the pipe alley and go to the North side of the Inlet compressors and survey the Fin Fans C-5050, C-5040, C-5030
6. Moving West to capture the remaining Inlet Compressors Fin Fans C-5020, C-5010
7. Enter the Compressor building and monitor Northside Inlet Compression Building C-5010/5020
8. Continue east for the Northside Inlet Compression Building C-5030/5040
9. Move further east Northside Inlet Compression Building C-5050
10. Now go to the Southside of the Inlet Compression Building C-5050
11. Moving to the west to capture Southside Inlet Compression Building C-5040/5030
12. Go further west for the Southside Inlet Compression Building C-5020/5010
13. Moving south exit the Compressor building and look at all components in the East/West Pipe Alley
14. Moving southwest and enter the Refrigeration Compressor Building surveying all components inside
15. Exit the building and move to the NGL Plant skid/ Propane tank V-3000/ De-ethanizer.
16. Head south and capture all components in the North/South pipe alley
17. Continue west survey all components in the pipe rack of the East/West pipe alley, and the Gasoline tanks TK-7200/ TK-7207
18. Monitor the west side first of the Gun barrel/Condensate tanks/ Methanol Tank then move to the

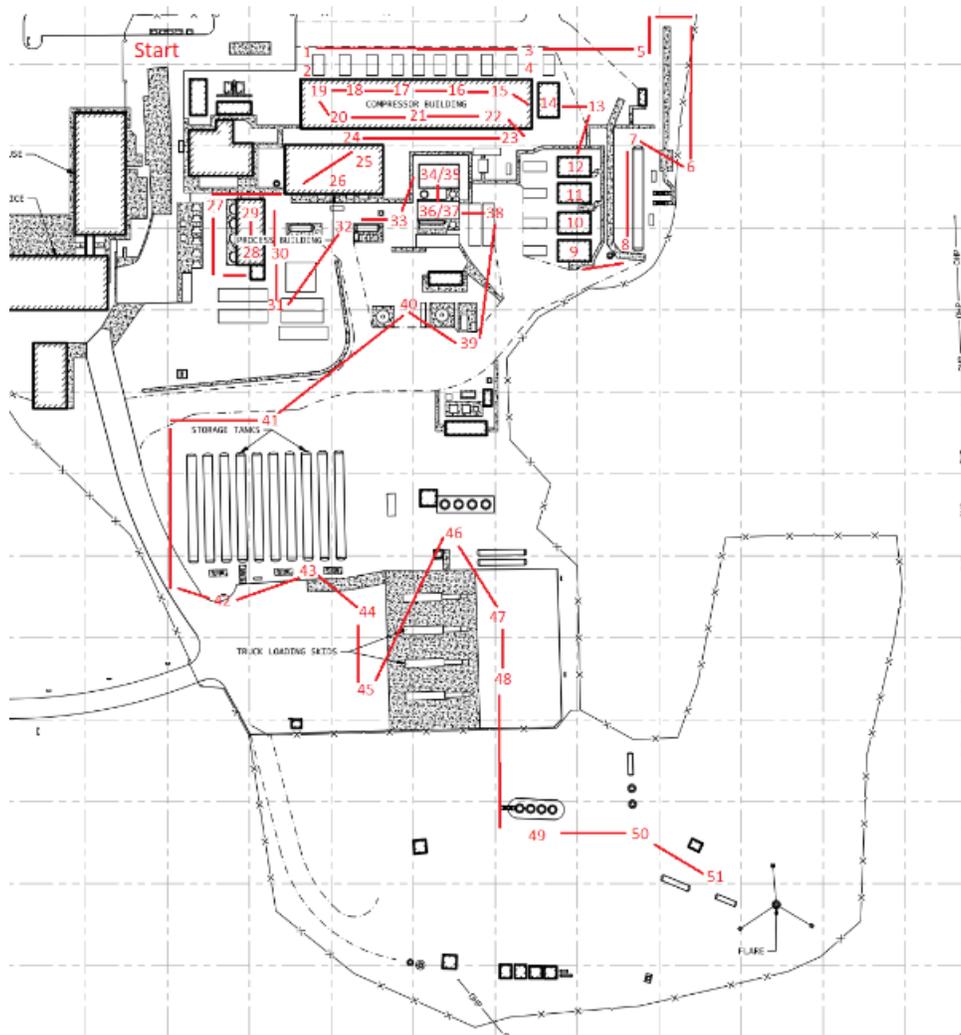
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west side of the same tanks

19. Move west to monitor the first two truck lanes from the north
20. Further to the west monitor the last two loading land from the north
21. Move south to capture the Southside truck loading bays
22. Continue east and scan the Westside Y-Grade/Butane tanks and pumps
23. Move south to monitor the Westside Propane tanks and pumps
24. Move east to scan the East side Propane tanks
25. Move north and look at the Eastside Y-Grade/Butane tanks
26. Go across the bull pen to monitor the North/South pipe alley
27. Continue South and inspect the North/South pipe alley West of heater
28. Moving furth south capture the Flare Knockout, Utility Flare, Frac 1 and Frac 2 Flare
29. East/West pipe ally, Frac 2 Filters V-240/241, Moisture analyzer
30. Move back north to the Frac 2 Med Heat Skid/Gasoline Trim cooler, Frac 2 Feed filter/exchanger skid
31. Ground level Frac 2 Depropanizer skid/tower
32. Move upstairs to the Level 1 of Fac 2 skid
33. Continue up the stairs to Level 2 of Frac 2 skid and fin fan
34. Go back to the Ground level Frac 2 Debutanizer skid/tower
35. Move up the stairs for Level 1 Frac 2 Debutanizer skid
36. Back down to the ground for the East/West pipe alley/GC building
37. Move towards the tanks farm and monitor East/West pipe alley Frac 2 Y-Grade/Butane/Gasoline meter skids
38. Move southeast to the Southside Propane tanks V-213/214/215
39. Continue east to the Southside Propane tanks V-216/217/218
40. Continue east to the Southside Gasoline tanks V-222/223
41. Move north to the Northside Gasoline tanks V-222/223 and pumps, and the Southside V-219/220/221
42. Continue west to Northside Propane tanks V-216/217/218, Southside Y-Grade tanks V-207/208/209/210
43. Move further west for the Northside Propane tanks V-213/214/215, Southside Y-Grade tanks V-201/202/203/205/206
44. Move north to monitor the Northside Y-Grade tanks V-201/202/203/205/206
45. Continue east for the Northside Y-Grade tanks V-207/208/209/210
46. Move further east to capture the Northside V-219/220/221
47. Move to the furthest south east corner of the tank farm to monitor the Pig Receivers

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Robinson Lake



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Robinson Lake Walking Path Description:

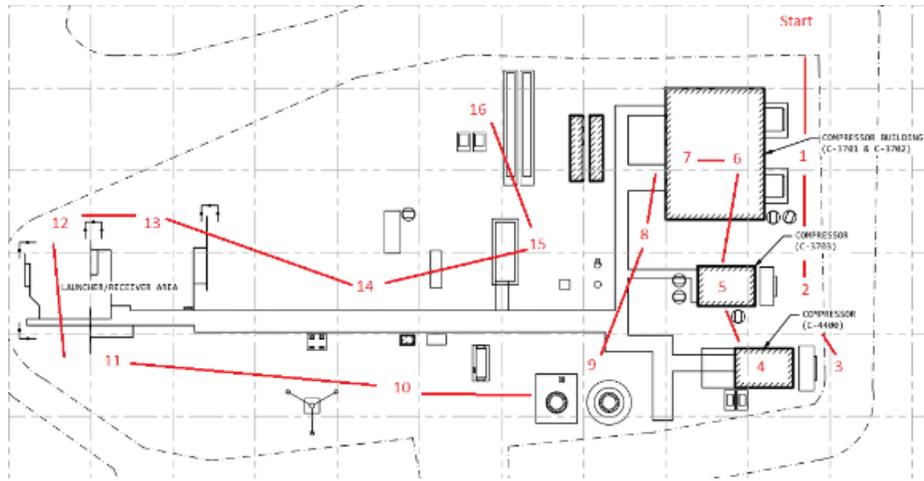
1. Start at the North side of AC-2705, AC-2704, AC 2703, AC2702, AC2701 Fin Fans
2. Move south to capture South side of AC-2705, AC-2704, AC 2703, AC2702, AC2701 Fin Fans
3. Continue east to look at the North side of AC-2709, AC-2708, AC-2707, AC-2706 AC-2700 Fin Fan
4. Move to the South side of AC-2709, AC-2708, AC-2707, AC-2706 AC-2700 Fin Fans
5. Continue further east to capture the West Side of Pig Launcher/Receiver and pipe alley
6. Move to the to the other side of the pig launchers to monitor the East Side of Launcher/Receiver and pipe alley
7. Move south to survey the Northside of Slug Catcher V-1403 and pipe alley
8. Moving west look at the Southside of Slug Catcher V-1403 and pipe alley
9. Continue west and enter the building to monitor C-2713
10. Move North to the C-2712 building
11. Continue further north to monitor inside C-2710 building
12. Move north to monitor C-2711
13. Continue further north to monitor all sides of the Inlet Separator Skid
14. Move west to the C-2709 building
15. Enter the Inlet compressor building and capture the Northside of C-2708, C2707
16. Move west to the Northside C-2706, C-2700
17. Move west to the Northside of C-2701, C-2702
18. Move west to the Northside of C-2703, C-2704
19. Move west to the Northside of C-2705
20. Move south to the Southside of C-2705, C-2704, C-2703 and pipe alley
21. Continue west to the Southside of C-2702, C-2701, C-2700
22. Continue west to the Southside of C-2706, C-2707, C-2708 and pipe alley
23. Move outside the compressor building at the south door and capture the Pipe alley south of compressor building
24. Move west and monitor the Pipe alley south of compressor building
25. Enter the process building and scan the Ground level in Process Building
26. Ascend the ladder to Level one in Process Building looking at all equipment
27. Exit to the east and monitor the Fin Fans of Refrigeration Compressors C-6701-6704
28. Continue south and enter the refridge building scan the Refrigeration Compressors C-6704, C-6703
29. Move north to the Refrigeration Compressors C-6702, C-6701
30. Continue outside and monitor the Pipe alley East of Refrigeration Compressors and propane skid
31. Move south to capture the Condenser Fin Fans A-7802C, E-6202, E-6201 Refrig condenser AF-S
32. Move northeast to the De-Ethanizer T-3210/ Reboiler E-3212
33. Move east and scan the east/west Pipe alley
34. Scan the Ground level of NGL #2 Skid, De-ethanizer T-76000, De-butanizer T-601
35. Ascend the ladder to scan Level 1 of NGL #2 Skid
36. Move to the ground and south to the Ground level of Fractionation Skid, propane tanks, De-propanizer T-600
37. Ascend the ladder to scan Level 1 of Fractionation Skid
38. Move west to Condenser A-800/801, NGL #1/2 Cooler, Compressor C-2710-2713 Fin Fans
39. Move south down the hill to scan the TEG Skid
40. Continue west to scan the Fuel gas scrubber V-6403
41. Move southwest to the Northside Storage tanks
42. Continue south to scan the Southside of Y Grade/Butane tanks and pumps
43. Move east for the Southside of Propane tanks and pumps

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44. Go south to look at the Westside of Y-Grade/Natural Gas lanes
45. Continue south to the Westside of Butane/Propane lanes
46. Move north to the Pump building/ Tanks TK-9916 and Secondary Containment Tanks
47. Go south to the Eastside of Y-Grade/ Natural Gas lanes
48. Continue south for the Eastside of Butane/Propane lanes
49. Move south down the hill to monitor all sides of the Methanol Tank/Gun Barrel/Oil Storage/Water Tank
50. Follow the Pipe Alley southeast, and capture the BTEX Flare
51. Continue southeast Flare Knockouts and the Main flare tower

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Stanley Booster



Stanley Booster Walking Path Description:

1. Start at the east side of C-3701/3702 Fin Fan Exchangers
2. Move south to C-3703 Fin Fan Exchanger
3. Continue further south to C-4400 Fin Fan Exchanger
4. Enter C-4400 Compressor building capture all sides of compressor
5. Move north to C-3703 Compressor building capture all sides of compressor
6. Continue north to C-3702 inside main compressor building monitor all side of compressor
7. Moving west to C-3701 look at all side of compressor
8. Go outside the north door and move south to capture Pipe alley westside of C-3701/3702/3703
9. Continue southwest surveying the Pipe alley westside of C-4400, Condensate Storage, Methanol Tank
10. Moving west monitor the Flare Knockouts, Process Flare, Emergency Flare, and Southside of pipe alley
11. Continue west to the Southside of Pig Launcher/Receivers
12. Move north for the Northwest side of Pig Launcher/Receivers
13. Go east to the Northeast side of Pig Launcher/Receivers
14. Continue east to survey all sides of the Glycol skid, and Line heater, and the Westside of 3T skid
15. Move around to the Eastside of 3T skid and pipe alley
16. Go North to monitor all sides of the Pumps-P-5215/5225, NGL pumps P-5415/5425

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Appendix C – Sensitivity Check Form

IR CAMERA DAILY INSTRUMENT CHECK																	
(Check one) FLIR GF320 FLIR GFX320 Location: _____ Coordinates: _____ Start Time: _____	Which Camera was used? What Calibration Gas was Used? <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Serial Number:</td> <td style="width: 30%;">Methane</td> <td style="width: 10%;">Y/N</td> <td style="width: 30%;">Serial #</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Lens Type:</td> <td>Propane</td> <td>Y/N</td> <td>Serial #</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> Date: _____ Technician: _____ Stop Time: _____	Serial Number:	Methane	Y/N	Serial #	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Lens Type:	Propane	Y/N	Serial #	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Serial Number:	Methane	Y/N	Serial #														
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>														
Lens Type:	Propane	Y/N	Serial #														
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>														
Current Weather Conditions																	
Wind Speed (MPH)	Temperature (F)	Barrometric Pressure in (inHG)	Relative Humidity (%)														
2.0	54	28.09	60														
Weather description; sunny, cloudy etc: Clear																	
Instrument Check																	
Camera Configuration	Flow Rate (l/m)	Distance (ft.)	Video File #														
Auto	1.52																
Manual	1.52																
HSM	1.52																
Auto	1.52																
Manual	1.52																
HSM	1.52																
Auto	1.52																
Manual	1.52																
HSM	1.52																
On ____ / ____ / ____, I reviewed the monitoring data that I collected today, and to the best of my knowledge and belief, the data accurately represents the monitoring I performed today.																	
Signature: _____		Facility: _____															

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	Doc Number:	Rev No: 0

Revision Number	Description of Change	Written By	Approved By	Effective Date
0	First issuance			01/29/2024