

<p>Location: Pump # P-20-103B, Cold Work Permit # 3981794</p> <p>Scaffold erection was carried out without barricading/isolating the affected area</p> <p>Scaffold materials were kept obstructing the walkway access which has potential for trip hazard.</p>
<p>Location: Feed switch area, 1st level of cocker unit, Cold Work Permit # 3990661 & Cold Work Permit #3987246</p> <p>The presence of chain pulley blocks of different capacities, a range of nylon web slings of different sizes and different types of D shackles were found at this location without inspection and colour coding.</p>
<p>Location: Feed switch area, 1st level of cocker unit.</p> <p>One common SWP checklist was found attached for two different work permits. (CWP 3990661 & CWP 3990680).</p>
<p>Location: Feed switch area, 1st level of cocker unit. Cold Work Permit #3987246</p> <p>As per the section 1 (B) of the work permit contractor was permitted to use only hand tools and multimeter to execute the job. But contractor crew was found using 2 T chain block (lifting tools) to execute the job</p>
<p>Location: 2nd level of cocker unit near V-20-103. Unloading pipe spools with valve by using crawler crane without barricading the drop zone. Many employees were found passing through under the suspended load.</p>
<p>Near T-20-107 Debut Anizer, Workers were found working on Red Tag Scaffolding.</p>
<p>2nd level of coker unit rigger was found standing on 24 "Inch valve and doing rigging activities.</p>
<p>2nd level of coker unit hydrotest activities in fire water line more than 390 PSI was found without sign board displayed and personnel were found walking near by area.</p>

1st level of coker unit , The 24"inch valve dropping activities area was found inadequate illumination.
In general, several safe work practice checklists were found to be incorrectly filled with some irrelevant points included, and certain columns left blank without marking. This oversight raises concerns about the effectiveness of the safety documentation process.
It was noticed that some foremen and supervisors appeared to lack awareness regarding the crucial safety measures related to color coding and the inspection of lifting tools and tackles.
An employee from the fireproofing crew was observed working at an elevated location above the second level of coker unit, standing on a firewater pipeline to fix mesh around the structural beams., as there is a risk of the employee losing balance or slipping on the pipe lane, which could result in a fall from height.
observed poor cable management at stabilization ring area (drum area between level 1 and 2) , where welding and electrical cables were haphazardly laid in front of the main access steps, creating trip hazards.
Nylon web slings were observed wrapped over sharp-edged structures to secure chain blocks without the use of softeners to protect the web slings from potential damage. This practice poses a safety concern as it can lead to abrasions and weakening of the slings, compromising their load-bearing capacity and overall safety.
Unit-20/ Tr-01 / Near to P-20,224 B Tower light GS-TL-127 Found spark arrestor was broken and tower light is being used .
Permit (3991663) issued for unloading of valves & working crew performing loading of valves .
Train 1 East sideP-20-102 A Found Two personal descending the ladder simultaneously.

East side of Train -1 While breaking concrete paving worker using jack hammer was found not wearing face shield.
The contractor has not been provided with electrical connections to the toilet blocks located at the East and West sides of Unit 20/T1 for the employees involved in shutdown activities. With approximately 350 employees working during the night shift, this absence of electrical connections poses a safety concern.
<p>An employee belonging to the tie-in group was observed working on an unsafe scaffolding structure that lacked ladder access. Furthermore, the employee was standing in close proximity to an area where numerous scaffolding planks were found missing. Additionally, no hand rails were provided to safeguard the employee in case of emergency or unexpected situations.</p> <p>activities (TP-201-004/514) Activity -Blinding for Tie-in Location- Under main pipe rack, near E-20-108.</p>
One Bus # 22/14597 deboarded employees at the 29thh Avenue/K-Street Junction iinstead of designated Bus boarding/de-boarding location. Contractor was observed crossing the K street and no flag man was availbale at the junction to regulate the traffic. Bus Marshal was not available in the bus
Insufficient lights were observed at various Loacation Level 1,2 & East side of T-101 . Also some area is lights are available but not working due to power surge and other trip problem. Also observed shortage of electricians to attend electrical problems.
Permit -3994724 Issued For using manbasket for lifting of materials the CTRA number mentioned in the permit was not available instead other CTRA which is not related to activities is available with permit
From level 2 towards Access of Tower # 101 found lighting cables,Air hoses welding cables were laid on waklways.
Near Contractor rest shelter while fabrication of pipe spoo,l the fire watcher was not available at welding loacation.

Blind List for Line Breaking (Permit No: 3997823 & Permit No: 3991988) activities are not available at site. It is mandatory to keep blind list at blind location.
Blind list Tie-in reference Number and Work permit reference Number does not match. GS supervisor informed that Blind list reference from Train-2 is being used. This needs to be corrected.
Illumination in few location found to be inadequate. Illumination survey to be carried out
Blinding activity was found carried out at height with out a proper working platform
observed poor cable management at stabilization ring area (drum area between level 1 and 2) , where welding and electrical cables were haphazardly laid in front of the main access steps, creating trip hazards.
<p>Employees were found accessing an elevated work location in an unsafe manner. Employees were seen walking and climbing over old pipes and structural beams, which is not an approved or safe method for accessing elevated work areas. Additionally, it was noted that the employees at the site appeared to be unaware of safe work practices when working at elevated locations.</p> <p>Activity - Pipe cutting, grinding, welding etc</p> <p>Location- Near E-20-108. Hot work permit</p> <p>- 3999742</p>
Poor housekeeping practices and trip hazards were observed at the permanent platform near the manway where employees entering inside the T-20-101 for scaffolding erection.

<p>It has been observed that the contractor has taken a permit for the transportation of materials using a man basket from ground level to the top level of the fractionator column. However, it has come to our attention that the contractor is also using the man basket to transport personnel, which is a significant safety violation. Furthermore, it has been noted that the mandatory rigging plan (Appendix F1) and Generic method statement for critical lifts (Appendix -F3) , which are essential for ensuring the safe use of the man basket, have not been prepared, approved, or attached to the work permit.</p> <p>Hot Work Permit - 3999722 Crane No-34907</p>
<p><u>Fractionator Column :T-20-101</u></p> <p>Job Cold Work Permit # 3997616 for removal of trays inside the vessel was marked as Medium and Confined Space Authorization marked in the job permit was 3997607. However, Confined Space Entry Authorization available at site was with # 3999701.</p> <p>Discrepancies observed regarding tray numbers in job permit and confined Space Entry Authorization</p> <p>No means of communication available between Confined Space Attendant and seven Entrant inside the Tower</p> <p>No means of communication and no communication device provided to the Confined Space Attendant to contact EDC in case of any form of emergency.</p> <p>Rigging Engineer/Construction Engineer signed and approved F-01: Rigging Plan for Critical lift and F-03- Generic Method Statement for Critical Lift and F-02: Rigging Method Sketch was not available for the activity.</p> <p>Crane Suspended Man basket was not clamped to the permanent structure of the tower platform before allowing employees to move from man basket and tower platform.</p> <p>Employees were observed jumping from the man basket to the tower platform.</p> <p>Permit was executed by HEISCO work permit executor Mr. VijaySingh (Emp.# C-33279).</p> <p>Executor was not available at job location to guide and ensure compliance to KNPC SWP.</p>
<p>Lighting arrangements are not provided at the east of Unit-20/Train-1 where around 10 numbers of Containers are kept for Shutdown. Further lightings are not provided at the cylinder storage area and location where welding sets are kept</p>
<p>Near TR-01 - V-103 feed switch area Observed grating was left open for piping activities and the opening was not barricaded . near other working crews were observed carrying out other activities.</p>
<p>Near PS-108 Observed while 6" Control valve dropping by mechanical maintenance crew kerosene leak occurred from the valve, near by PD working crew were doing hot work activities .</p>
<p>Critical Activity in confined space (cold cutting)was carried out with presence of Foreman. also available CTRA (Ref. # MAB-OPRA-23-073) not mentioned for Cold cutting activities.</p> <p>Permit No (139328 & 397053)</p>
<p>It was observed that, Pre heating activities was in progress, the fire extinguishers was found not placed for the heating machine.</p>

<p>It has been observed that the employee from M/s Gulf Spic was working on a scaffold platform that exhibited several safety concerns:</p> <p>Missing Safety Features: The scaffold platform lacks essential safety features such as handrails, toe boards, and guardrails, which are crucial for preventing falls and ensuring worker safety.</p> <p>Inconsistent Scaffolding Tag: The scaffolding tag attached to the platform belongs to M/s AL-MEN, even though the scaffolding was built by M/s Gulf Spic. This discrepancy raises questions about proper documentation, maintenance, and compliance with safety standards.</p> <p>Location -E-20-108</p>
<p>Multiple lifting tools and tackles, including a crane, have been identified without current inspections and proper color coding at the west side of Unit 20 main pipe rack.</p>
<p>Observed during Radiography activity without signage and Barricade.</p>
<p>Near pump # 102 A/B Welding & Cutting of pipe spool activity, spark was observed coming out of welding booth.</p>
<p>Fractionator Column :T-20-107 working inside confined space Attendant and Entrant were found no communication to call in case of emergency.</p>
<p>Near V-103, Feed switch area Portable ladder is being used by rigging crew the ladders was found not having tag.</p>
<p>Observed that an employee belongs to M/s Gulf Spic was found working on an incomplete and unsafe scaffolding in between second level of V-20-102 and T-20-101. This situation presented a high potential fall hazard.</p>
<p>The name of the Work Permit Level-II card holder is not mentioned in the work permit when the main executor is not available (for medium risk jobs) .HWP -4005269, 4003750,4004828, 4005196,4005186,4005519</p>
<p>Nylon web slings were observed wrapped over sharp-edged structures to secure chain blocks without the use of softeners to protect the web slings from potential damage at main pipe rack area.. This practice poses a safety concern as it can lead to abrasions and weakening of the slings, compromising their load-bearing capacity and overall safety.</p>
<p>The personal dosimeters worn by the technicians were found not reset to zero before commencing radiography testing .</p>

While Grinding of pipe spools flying particles and sparks observed flying outside welding booth which may cause fire hazard.
Many welding machine (196,153,482 & 241 running on ground level and welding activity is taking place at Level I & 2 .All the welding machine is running unattended.
it was noticed that day shift working crew left continuous gas monitor at tower without switching off gas monitor at fractionator Column T-20-107, due to low battery Continuous gas monitor sounded alarming with red light warning.
Near PS-20, 109 B lower pump . hydro test crew working in day shift that was barricaded area for hydrotest observed remain barricaded.
Repeated observation- Observed that employees belongs to M/s Gulf Spic were found working on an incomplete and unsafe scaffolding at the west side of PS 22 and PS 23 (under main pipe rack) . This situation presented a high potential fall hazard.
Labour welfare facilities- M/s Gulf Sic has deployed two toilet blocks to the site to fulfill the requirements during the shutdown. However, one toilet block is currently non-operational, and it needs to be made functional immediately. Additionally, electrical connections have not been provided to the other toilet block. There are approximately 800 employees working during the day shift, and 350 employees are working during the night shift.
observed poor cable management at stabilization ring area , where welding and electrical cables were found haphazardly laid through the access creating trip hazards.
Arc Welders were found working without wearing PPE's like welding apron and handsleeves and leg guards at stabilization ring area.
Employees are performing machine alignment by standing on loose scaffolding planks that have been placed over a cable trench. There are no handrails provided to prevent accidental falls.Location P-20-101A.
An 8 mm sharp-edged reinforcement bar was discovered being used in place of a copper earth rod for welding machines (GS-WM-204 &GS-WM-368) . This substitution poses a significant safety risk due to its inadequate conductivity and potential electrical hazards.

Fire watch personnel were observed signing off on the welding diesel generator checklist, despite not being aware of the checklist's crucial points. This lack of awareness raises concerns about their ability to effectively perform fire watch duties and ensure the safety of the welding operation.
Blind list was not available in the work location for the tie-in work, Blind list numbers not available on the associated permits. At feed switch area piping tie-in location, Blind list was found without reference number.
Many Loose Materials like bolts, nuts, Scaffolding Components were found on the grating in the first floor- Object may drop on lower levels.
Damaged electrical fittings were observed with tower lights.
Workers were found without wearing dust mask.
Blind list numbers (TP-201-205 & 210) referred in the Hot work permit # 4005278 for blinding Flushing Oil Tie-in lines were not available with the worksite supervisor who was provided with approved blind list
Water Hose attached to manifold during hydrotest activity was observed without whiplash arrestor.
Near Tower - 107 Observed scaffolding clamps, cutting pipes,, removed bolts, nuts, used gaskets, cutting wheel and grinding wheel scattered and left on scaffolding platform that can pose a danger to workers below.
Near E-20-108 A Welding machine (WM# 435) earthing rod to ground observed used steel bar (Reinforcement steel)
Steel binding wire is used for tying power cable with permanent/ scaffolding structure.
Adequate wedges/ stopper was not provided for tyre mounted welding machine
Some of the toe- boards were not available on the inspected scaffolding and the employees are using the same scaffolding platform at Bridge Crane east side.
Materials were stored on the edge of level II platform and the materials were stored more than the height of toe board height
Repeated observation- An 8 mm sharp-edged reinforcement bar was found being used in place of a copper earth rod for welding machines GS-WM-428. Location -West side ,Near P-20-105B
Repeated observation- Earth wire of welding machine, GS-WM-420 was observed to be connected to the scaffolding standard. Location -West side ,Near P-20-105B
observed that welding machines GS- 420,358,434,428 AND 470 were being operated without daily inspections. The crew foreman appeared to be unaware of the responsible party for conducting these daily inspections. Location -West side ,Near P-20-105B

Repeated observation-Employees were found working on an incomplete scaffold platform :Missing Safety Features: The scaffold platform lacks essential safety features such as handrails, toe boards, and guardrails, which are crucial for preventing falls and ensuring worker safety. Work permit no-4011982, Location -Pump 110 A/B.
At Level 2 Observed Un authorized (who dont have fire watch card) Fire watch personel assigned for fot work activities.
Near V-20 - 104 while PD crew hydrostatic test was being conducted at 780 PSI Observed at close proximity, simultaneously mechanical crew were replacing exchanger channel head .
Level - 1 Grinder was observed damaged face shield with scratches and poor visibily for welding and grinding work.
Level-1 Observed the welding booth was not properly erected to contain sparks from open flame activitiy within the work area as the sparks were coming outside through gaps.
Repeated observation-observad that welding machines GS-WM 389 &125 (NEAR E&I dept conduit thread cutting machines) were being operated without daily inspections.The crew foreman appeared to be unaware of the responsible party for conducting these daily inspections.
Repeated observation- Earth wire of following welding machines were observed wrongly connected/ not connected to proper earth points. GS -WM-350 (WEST SIDE OF T-20-101), GS-WM 389 &125 (NEAR E&I dept conduit thread cutting machines)
Poor housekeeping observed inside sea water line excavation near E-20-132. welding rod pieces ,slag and used grinding wheel were found scattered inside the excavation.
Employees were found working on a scaffolding platform adjacent to T-20-104 , yet no safe means of access was provided for ascending and descending from the platform.
Various construction materials were found obstructing the ladder access from Coker level 2 to T-20-101 , posing trip hazard and poor cable management issues were also observed at the scaffolding access to T-20-101 from the Coker second level. HWP -4014066, CSE -4016300
Materials were stored at the east side of stabilization ring exceeding the height of the toe board, potentially creating a hazard.
Preheating activities on pipelines at the feed switch area were conducted without proper barricading to restrict unauthorized entry into the work location, presenting a significant electrocution hazard.
Repeated observation- Several work locations within the main pipe rack area lacked proper access, leading employees to resort to jumping and walking over existing service lines to reach their destination. This unsafe practice poses a risk to both the employees and the integrity of the service lines.
Employees belonging to bolt torquing were observed working on an unsafe scaffolding at SOUTH SIDE V-102 COKE DRUM FIRE WATER LINE that had missing planks and toe boards, and particularly lacked a scaffolding tag at the access ladder.
At Level 2 Observed Un authorized (who dont have fire watch card) Fire watch personel assigned for fot work activities.

Welding Area for carrying out sea water line welding Grinding, Fitup, Bolting & Welding on the on the new Piping WS-20-1016-L3-4" & WX-20-1014-L3-4" inside Confined Space was not properly covered
Blind list for Debutanizer was found with Contractor Signature instead of Operations Controller Signature.
10" Pipe spools were found supported over scaffold support which was unstable.
Nylon web slings used for chain blocks were not provided with padding/softeners around beams with sharp edges. This may cut the web slings.
Many welding and PWHT Cables were found on the access way posing trip hazard.
Hand rails were removed which may lead to potential fall hazard.
Between V-20-102 and V-20-103 heavy I-Beams were found stacked one over another without properly securing them. Adjacent to this concrete chipping activities were ongoing. The I beam can flip over the workers.
No rigging plan was available for moving and erecting Monorail beams. The beams were lifted and moved using series of Chain blocks.
Fire Proofing was being carried out. SDS for Fire Proofing cement was not available

Cable management needs improvement. Proper Unobstructed access is not available, posing trip hazard.
There was no lighting available at workers shelter area, near Tower 101 /21/22, near the H20/101
Near the hydrotesting area, the area was congested with equipments and hoses and very poor house keeping.
Few Welding sets at the ground level (North East and South West) are observed to have expired fire extinguishers
Poor cable management observed at the Level-I (Block -1 & 2) Feed switch area, Cables are observed crossing walkway. Potential for trip and fall hazard
Poor housekeeping and poor cable management observed at the permanent landing platform near to the manway of Fractionator Tower. Access to the Fractionator tower manway was found obstructed with scaffolding ledger which was being used to support pipelines at the same level.
The SWP checklist wrongly marked “not applicable” for the illumination requirement for the confined space entry. CSE - 4019296 , HWP- 4019297
Poor housekeeping and water stagnation observed near to the employees rest shelter located at the north west corner of Unit-20.
Repeated observation- Repeated observation- Diesel generators DG-076 AND DG-74 & WM-266 were found put on operation without performing daily inspection. Location -West side of heater 109.
Poor cable management observed at the walking platforms of main pipe rack, Cables are observed crossing walkway. Potential for trip and fall hazard
Repeated observation- Diesel generator DG-112 was found put on operation without performing daily inspection. Safety certificates are also not displayed on the diesel generator. Location -East side of T-20-101
Repeated observation- Repeated observation- WM-541, 294 were found put on operation without performing daily inspection and proper earthing .Poor cable management also observed at this location . Location -East side of T-20-101
Repeated observation- Employees were found working on an incomplete scaffold platform :Missing Safety Features: The scaffold platform lacks essential safety features such as handrails, toe boards, and guardrails, which are crucial for preventing falls and ensuring worker safety. Work permit no-4011959, Location -Pump 110 A/B.
Welder was found standing on the adjacent cable tray to access and perform welding activity at the south side of T-20-104. since scaffold platform is not suitable to carry out welding activity.
Multi gas monitor was not available at the vessel entry location (T-20-107). Instead contractor provided a long term gas monitor which is not useful in measuring gases inside confined space(Inside vessel).

Used grinding wheels found scattered at the entry point of vessel T-20-107.
Near PS-21 Firewatcher was observed sleeping inside unit while hot work in progress. that significant risk to life in the event of a fire, or other emergency.
Fire Extinguisher of welding Machine- GS-247,422,236,426,294 found on welding machine stand itself while running.
Near Level 1 while grinding, grinders was found wearing loose Baniyan (Vest) as dust mask which may be at risk of getting caught in the disc.
Inside the welding booth located west side of E-20-108&110 ,poor housekeeping was evident, with scattered welding bits,grinding wheels,hand gloves, and various materials,along with a lack of proper cable management.
Poor cable management observed at the walking platforms and access of wet gas compressor(E-20-124 & 125) , Cables are observed crossing walkway. Potential for trip and fall hazard
Section -5, temporary spot supervision was not delegated to subordinate executor, work permit (HWP-4012884).
Repeated observation- WM-523 , located at the east side of wet gas compressor shelter was found put on operation without performing daily inspection.
Single SWP check list was found attached with two different work permits.(HWP -4017184 & HWP-4020921) .
Employees were found performing support welding and installation of a Kelly switch on derrick structure while standing on an unsafe temporary platform above the second level of the Coker unit. Loose scaffolding planks were found placed across permanent structural beams, creating gaps in the platform, and no guard rails have been installed. HWP-4018482
Employee belongs to buffing and thickness survey crew (HWP-4022802 , TP-675-10" steam line) was found working on a scaffolding platform within the main pipe rack area lacked proper access, leading employees to resort to jumping and walking over existing service lines to reach their destination. This unsafe practice poses a risk to both the employees and the integrity of the service lines.
Near T- 101 ground level east side Few welding machines, WM-236 WM-294 and DG set were observed stationed at accumulated water and cables were laid in wet area which may have potential of electric shock
TK-20-202 Scaffolding platform access was found no Tag.
Level - 1 Near Feed switch area Removed insulation was found stacked and accumulated.
Near Feed Switch area removed pipe spools was found placed on grating platform not covered properly and PWH was going on that spools.

Section -5, temporary spot supervision was not delegated to subordinate executor, work permit (HWP-4008958 , 4023242 & 4021020).
Portable electrical hand tools were found using without monthly inspection and colour coding. Location- Welding booth ,West side of P-20-124 A/B.
Wind indicating device (anemometer) was not provided/available with the Truck mounted hydraulic Mobile crane (60T, Plate number - 31924). Location- West side of P-20-124 A/B
Single SWP check list was found attached with three different work permits executed by two different executors.(HWP -4022226, 4019688 & HWP-4023515) .
The safe working load of auxiliary hook is not marked on the crane auxiliary hook .(Crane plate no-31788)
The ladder , which provided safe access , was found to have been removed from its position while employees were working inside excavation.
Observed that during the performance of hot work inside the welding booth the open drain near the booth was not covered with fire blanket as required. Location - east side of PS -07. HWP- 4019037
During critical hot work activities taking place inside T-20-101 (confined space) noticed that neither the work executor nor the contractor supervisor were present at the work location.
Observed a safety concern regarding communication with the confined space activities taking place inside T-20-101. The radios available for communication between the confined space entrant and the confined space attendant were found to be set to different frequencies, rendering them unable to communicate with each other effectively.
Multiple Times Repeated Observation: Communication Device is not available with the Confined Space Attendant contact EDC during emergency in Fractionator Column T-20-101. One of the employee engaged in the confined space activity was observed to carry normal mobile phone without KNPC Gate Pass
Feed Switch area level 1: Contractor employees found working without dust mask.
Feed Switch area level 1: Portable air blower found with damaged electrical cable, and some power tools found without braided cables.

Feed Switch area Level 1 & 2: Flash back arrestor not fitted at the torch side of the LPG set.
Heater H-20-102 West site Fire hydrant access was observed blocked by construction materials..
Level -1 Feed switch area while a person hammering for loosening valve, another workers just opposite standing and holding the spanner which poses he is in line of fire.
Level 1 feeder switch area Leftover wooden pallet were found scattered.
Employees were found working on a red tagged scaffolding near P-124 A/B area.
The safe working load of auxiliary hook is not marked on the crane auxiliary hook of the following cranes .(Crane plate no-30719 and 25799)
An unsafe scaffolding platform observed at sea water cooling water line excavation without scaffold tag . Location - west side near E-20-132.
Section -5, temporary spot supervision was not delegated to subordinate executor, work permit (HWP-4012884 , 4022450 & 4021020).
Portable electrical hand tools were found using without monthly inspection and colour coding.Location- Welding booth ,West side of P-20-105 A/B.
Welding and grinding spatters observed escaping from the welding booth during welding operations, posing a potential safety hazard. Location Under main pipe rack Inbetween PS-10 - 15.
Drains and vents near welding booths located near P-20-105 A/B were found uncovered and unsealed during hot work activities inside the booth.
Nylon web slings used for chain blocks were not provided with padding/softeners around beams with sharp edges. This may cut the web slings.Location -Feed switch area, Piping Tie-Ins and Structural Works

Potentially hazardous gaps in the green tagged scaffolding platform were identified where employees were positioned for the purpose of erecting I-beam for the monorail structure at north and south end of feed switch area.
Inadequate cable management and lack of proper housekeeping were noted in both the feed switch area and the stabilization ring area.
Near V-20 -111 A flood light was placed on the access of walkway for illumination were observed directly hitting the human eye that cause blurry vision.
Level 1 Stabilization ring area- discharged fire extinguisher was found placed for hot work activities.
It has been observed that used grinding wheels, cutting wheels, & welding rods scattered inside the welding booth.
Mobile crane's (60T, Plate number - 31924). The anemometer calibration certificate was found to be expired. Location- West side of P-20-124 A/B
Housekeeping at the E&I thread cutting machine location (west side of Unit 20) was found poor, with a collection of metal scrap contaminated with oil and used cotton gloves beneath the machine, creating a potential fire hazard.
The jumping jack operator was found to be without leather hand gloves, contrary to the requirements outlined in the attached safe work practice check list associated with the work permit - 4023162 (HWP)
Scaffolding modification and pipe spool erection work were being carried out simultaneously on a green tagged scaffolding platform located near P-20-113A/B area.HWP-4019016
Repeated observation- The welding machine GS-489, which had a damaged spark arrestor, was put into operation without undergoing the necessary daily inspection. Location East side of T-20-101
Employee belongs to concrete pavement cutting and breaking crew was found breaking concrete by using electric chipping hammer without wearing face shield. Location- near P-20-105 A/B.
A 4" portable electric angle grinder , fitted with a cutting wheel was found in the possession of the concrete breaking crew, without its guard and handle.
Repeated observation-Employee was found engaged in work (buffing on welded joints) on an incomplete scaffold platform without safe access :Missing Safety Features: The scaffold platform lacks essential safety features such as safe access, scaffolding tag, handrails, toe boards, and guardrails, which are crucial for preventing falls and ensuring worker safety. Work permit no-4033016, Location - Under second level of the main pipe rack..

Near E-20-108 Welding area oil drainage was found not covered also water hose not available.
Near T-20-101 Towerlight being used found spark arrestor broken and all the exhasust are not passing through spark arrestor .
It has been observed that all the scaffolding tag holder found tied with binding wire and found protruding side of ladder rungs that may cause cut injury while climbing the ladder.
Repeated observation- WM-408 , located at the north side of P-20-124A was found to put on operation without providing proper earthing and performing daily inspection.
Expired Excavation authorization (Authorization number - 49718, expired on 12-10-2023) was found attached with the work permit (HWP - 4030378) at Sea water Tie -In location.
Repeated observation- Diesel Generator (DG-97) was found put on operation without providing proper earthing and performing daily inspection. Location -West side of T-20-101.
During grinding ,sparks and spatter from the booth were found falling outside and dropping into the access area, creating a potential safety hazard.Location - Circular platform T-20-104.
Padding/Softener was not provided for five nos of 3 ton chain blocks suspended using web sling from overhead "I" beams for the erection of the 6" Isolation Vale (Permit # 4034054) at Cutting Deck, Level-2
Hydrotest pack, third party certificate for PSV, Pressure gauge and header were not available at the job site to carry out hydrotesting of circuit at 2087 PSI (Job covered under group permit # 4028782 Issued on 16.10.2023)
Channel cutting activity was ongoing using a Welding Machine without earthing and without Fire extinguisher. Work Site Supervisor was not available at site and Permit was not available at site. (Job was suspended and advised to have a permit to carryout the activlty. Illumination was poor
Near P-20-124B Dry gunny bag s were found on concrete paving area and near hot work activities were taking place.
124 East Side Nails were observevd protruding on wooden planks and dumbd neear walk way that may cause impalement and cutting hazard .
"No entry" signage and barrication is not available at tower T-20-104

welding machine GS-WM-295 at site found with ELCB not working.
GS-WM- 292 welding machine found at site without proper earthing.
Found unused equipment and unwanted construction materials to be removed from the site.
Illumination was poor in many location in the hot work area in ground floor
The cable management was found to be very poor, especially on the first floor. Temporary electrical cables, welding cables, Hoses were mixed, having potential trip hazards.
Loose materials like bolts, nuts, scaffolding components, scattered on the first floor over the grating, Having a potential of fall hazard.
Cokedrum V-20-105 West Site Stabilization Ring Area, Pipespools, Gaskets, Concrete Materials and Curing Water accumulated.
Recue Preplan was not available in T-20-107 Debutanizer Confined Space Entry
Alternate access to T-20-101 to be evaluated as workers have to decent more than 4 levels from the access. The Main access through Level-2 is partially obstructed with Cable drums and drums.
Near PS-14/P-20-101A, Two Concrete Pits with exposed rebars were left unattended without baricade or covering the pits, posing trip hazard.
Confined Space Entry Authorization not available with any of the Safety Personnel covering night shift.
Fire proofing job - Third Party Certificate for Relief Valve on the Air Compressor (GS-AC-PSV-03) not available at site.
10,000 PSI high volume pump is being used for Hydro testing at 1400psi and air blowing for new line TP-2058-P-027(T). Permit does not clearly mention using high volume pump.
Cable management needs improvement. Cables are hung over scaffolds and equipment using metal wires which can cut through the cable.
Section -5, temporary spot supervision was not delegated to subordinate executor, work permit (HWP-4040926,4039853).

Repeated observation- The welding machines GS-523 & 967, put into operation without undergoing the necessary daily inspection.
Scaffold Foreman working for dismantling of scaffold in the feedswitch area had Third Party Training Card instead of Third party Competency Card
M/s Gulf Spic employees were found working on a scaffolding structure erected by M/s Almen (TAG NUMBER 20-PS-14).During the in spection ,it was noted that toe boards were not in place, and there were gaps between the scaffolding planks. Location - P-20-102 A/B
During the inspection of the welding booth near P- 113 A/B, it was noted that the welder was not wearing an apron, the angle grinder had not been inspected, and hot work was being performed in close proximity to dry Hessain cloth.
The following equipments found at the west side of main pipe rack with damaged spark arrester. Welding set GS-54 & 358. Tower light- L-87.
At two separate locations just below the first level of Coker unit ,grinders were observed working without the use of face shields for protection.
Several scaffolding platforms in the main pipe rack area were found lacking access and Scaff tags.
Employees from the E&S department of M/s. Gulf Spic were found working on an unsafe scaffolding platform, which had only two planks and lacked essential safety features such as handrails, safe access, and toe boards. This unsafe platform was located at the top level of the Bridge crane north side main scaffolding access, with a fall distance of approximately 10 meters. The employees were also observed jumping/crossing over the permanent structure's handrails, to access this temporary, unsafe scaffolding platform. HWP - 4037417.Although this activity had been classified as having a medium risk level in the work permit, it was noted that the specific work permit number was not referenced in the work at height and hot work activities SWP checklists attached to it.
Poor cable management observed at first level of Coker unit. Potential for trip and fall hazard
Many Acetylene cylinders were found stored In front of Operation shelter

Empty cable drums were found dumped in front of operation shelter
Near T-20-107 2 Nos plate compactor and 2 nos jacking jack compactor were found kept at site after completion of compaction.
T-107 & 101 Removed internal trays were found kept at site. That it is not going to reinstall on the tower.
Section -5, temporary spot supervision was not delegated to subordinate executor, work permit (HWP-4039558).
Hot work activities are being conducted beneath the main pipe rack without the necessary precautions in place. Specifically, there is no utilization of a fire blanket to contain sparks, no fire extinguisher is readily available in the area, and there is no designated fire watch present.
An oil leak was detected in one welding generator (WM-175) , and a tower light (TL-87 with a broken spark arrestor was found on the west side of P-105 B.
Contractor was observed conducting PMI (Positive Material Identification) test using an X-ray fluorescence analyzer at the feed switch area without having obtained the necessary work permit.
Welders were found working at stabilization ring area without wearing welding apron.
Awareness on KNPC emergency number found poor for the Contractor employees
Poor housekeeping noticed at the Feed switch(level 1) work location (Conduit and support installation LCP-161-,170)
Trailer KWT-1528 while reversing inside unit close to the equipments was noticed that flag man was not assigned for vehicles move safely in their work areas and the potential of hitting people and other equipment.
Near E-20-114 Few equipments were observed that wheel chocks are not provided on their tyre to avoid for unwanted movement.

Overflowing garbage bin was observed Near container belongs to Hydrotest team.
Welder was found working at stabilization ring area without wearing welding apron. Location Near P-20-124 A
The following equipment found at the east side of P-20-124 A with damaged spark arrester. Welding set GS-141
LPG Gas cylinder was observed improperly stored in direct sunlight without any shade.
Poor housekeeping and water stagnation observed near to the employees rest shelter located at the north west corner of Unit-20.
Welding and hot work activities were observed being conducted without the removal of combustible materials, such as bundles of dry hessian cloth, from the work area, posing a serious fire hazard. Location- Stabilization ring area, V-20-102.
Accumulation of construction metal waste was noticed at the south west corner of the feed switch area.
Lighting arrangement was not provided at the North west side of the unit. Spark arrestor in two tower lights (GS-TL-56 & 127) were observed broken
Many welding machines are in operation without Fire that are kept at Southwest side of the unit to carryout hot work activities (Ex. Gs-WM-281/465/219)
Hydrotest Preparatory works (Test Pack # 155 & 157) was in progress at Feed Switch Area- Level-1 with the group Hot Work Permit # 4035913 converted into Weekly permit. Permit issued on 18.10.2023. However, Group Permit is issued only for "Feed Switch Area - Piping Tie-ins and Structural Works"
Near T-20-107 A workers was found standing on scaffolding midrail and tightening pipe spool.
Many black garbage bags with full of waste and removed fire retardant blankets were accumulated near E-20-109

A noticeable accumulation of construction metal waste has been observed on the west side of P-20-124 A
Section -5, temporary spot supervision was not delegated to subordinate executor, work permit (HWP-4048969 and CWP 4050591).
An employee belonging to the instrument group was found working at the bottom of the main pipe rack near PS-4 while standing on a pipeline ,and no work permit was available.
Feed switch level 1: It was noticed some of contractor employees working without Dust Mask
Feed switch level 1: A Helper found working with Black goggle.
Un secured acetyle cylinder is found near maintenance rest shelter.
Near TK-20-101 Hyrdotest area signage boards were placed site while hot work activities were in progress.
Near E-20-108 While dismantling scaffolding observed few scaffolders safety harnes anchor point below their waist.
Poor housekeeping observed around E&I store container and Hydrotest store container.Used gloves, papper covers, plastic waste, spare parts , bolts and nuts etc were found scattered around the containers.
The following eqipment found at the east side with damaged spark arrester. Welding set GS-533 & Tower light - 117
Instrumentation department employees were found working in the heat exchanager area (E-20-130) without the necessary valid work permit.
ELCB found not working for the Welding Generator GS-WM-281
Bold torquing permit(405639) mentioned as meduim risk and the SWP check list was found attached work at height.
Level I Elecrical Power sockets outlets were observed not covered.
Poor housekeeping observed around pipe thread making machine and bending machie located at the west side.
Unsafe Act- An employee belonging to the instrument group was found working near P-20-110 B while standing on a pipeline.
SWP checklist wit different workpermit number was found attached to medium risk work permit -4036506.
Unapproved Clear Safety Spectacles (Company- Vaultex) was worn by M/s.Gulfspic employees

Poor housekeeping observed around E-20-130 and E-20- 115 Used gloves, used fire blankets, plastic waste, bolts and nuts etc were found scattered around this area.
Poor illumination observed around around P-20-109A
Near TK -20-101 Welding crew left the welding booth after completion of welding activities at site.
Inside Unit Portable jerry can with disel was found stored near GS - DG-97 E-20 -114 west site
Poor housekeeping (unfolded hoses lying on ground which could lead to tripping hazard found unused equipment in site
PUMP SEAL SYSTEM BARRIER FLUID FILLING P-20-125B work was carried out without wearing hand glove. MSDS also not available at site.
Unwanted scaffolding material was stored in the west side of the unit area
House keeping needs to be improved
All the scaffolding materials blocking acces to be removed
Poor house keeping was observed at the Exchanger E-20-108 (Temporary welding booth was left at site without dismantling)
Insulation materials are observed dumped at the west side of the unit along the road shoulder of 61st Avenue
Scaffold provided at the PS-9 pipe rack area (Below second level) where painting for welding joint was carried out do not have Scaffold Tag
The access to fire water monitor found blocked by Light Tower near Exchanger(E-20-130)
Feed Swith Level 1 & 2, construction wastes found scattered around.
Exchanger (E-20-110 and E-20-130) area was found to have poor housekeeping, with insulation materials scattered throughout the area.
West side Insulation materials were observed stored in an open area, exposed to the elements ,lacking any protective covering ,and lacking fire safety measures.
Access to the fire monitor near the west side insulation storage was observed obstructed by barricades surrounding the storage area. Blocking free entry.
Poor housekeeping observed at the east side material storage yard. Scaffolding materials, fire blankets, and othe materials were found scatterd at this area.