

THE asphalt

PLANT INSPECTION CHECKLIST

A Comprehensive Inspection Checklist for Your Entire Plant



**ALL HMA PLANT
TYPES COVERED!**

Developed by



Anything for an Asphalt Plant.

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CONTINUOUS DRUM MIX PLANT

COLD FEED BINS

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Bins being inspected are completely empty of all aggregate material.

NOTE: Always utilize OSHA Confined Space procedures.

BINS

- Inspect all bin side/divider walls - Perform visual inspection of complete system to look for noticeable issues. Indicate all areas that are damaged for immediate repair or replacement.

- | | | |
|--|--|---------------------|
| ▪ Check bulkhead wall thickness | _____ (Thickness) | _____ Date Repaired |
| ▪ Check end wall thickness | _____ (Thickness) | _____ Date Repaired |
| ▪ Check front wall thickness | _____ (Thickness) | _____ Date Repaired |
| ▪ Check divider wall thickness | _____ (Thickness) | _____ Date Repaired |
| ▪ Are divider walls tall enough/not worn to eliminate product cross contamination? | ☐ Yes ☐ No | _____ Date Replaced |
| ▪ Are new liners needed? | ☐ Yes ☐ No | _____ Date Replaced |
| ▪ Are any bin walls damaged? (rust-through, holes, missing) | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Are all bin vibrators or air cannons operating properly? | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Inspect all air lines for damage and note for repair | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Inspect all wiring/junction boxes/terminal strips | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Are any wires frayed, burned, broken, or melted? | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Reinstall any/all guards that have been removed during repairs. | ☐ Yes ☐ No | _____ Date Repaired |

Bins Comments: _____

BIN FEEDER CONVEYOR

- Inspect Conveyor Belting
- | | | |
|--|--|---------------------|
| ▪ Are belts cracking or dry rotting? | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Do belts have rips or tears? | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Are there any damaged seams? | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Are belts proper thickness? (2ply/3ply, etc.) | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Are belts tracking properly? | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Inspect all rubber skirting for holes and note for replacement | ☐ Yes ☐ No | _____ Date Repaired |
| ▪ Inspect head shaft rubber lagging | ☐ Yes ☐ No | _____ Date Repaired |

Feeder Conveyor Comments: _____

BIN FEEDER CONVEYOR

➤ Inspect Bin Feed Flow Gates

- | | | | |
|---|--|-------|---------------|
| ▪ Are all gates operating properly and moving freely? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Clean gates and rails of any debris and/or build-up | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Properly lubricate or grease moving parts | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all no-flow paddles operating properly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are zero speed sensors operating properly? | ☐ Yes ☐ No | _____ | Date Repaired |

Feed Flow Gate Comments: _____

BIN FEEDER CONVEYOR

➤ Inspect Bearings

- | | | | |
|---|--|-------|---------------|
| ▪ Are bearings properly lubricated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are bearings' operating temperatures normal? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there visual abnormal coloration? (blackened grease) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Any excessive grease/oil escaping the bearings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are bearing mounting bolts tight? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there any excessive vibration while in operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any cracks in bearing housings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Any excessive noise while bearings are operating? | ☐ Yes ☐ No | _____ | Date Repaired |

Feeder Bearing Comments: _____

BIN FEEDER CONVEYOR

➤ Inspect Idlers

- | | | | |
|--|--|-------|---------------|
| ▪ Do idlers spin freely? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all idlers properly "string-lined" and aligned? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there excessive noise from idlers during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all guards in place? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all idler brackets tight against frame? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect tail or wing pulley. | ☐ Yes ☐ No | _____ | Date Repaired |

Feeder Idler Comments: _____

BIN FEEDER CONVEYOR

➤ Inspect Drive Components (Motors/Reducers/Sprockets/Guards)

		Empty	Loaded
▪ Measure and document motor amps			
▪ Are motors operating at normal temperatures?	☐ Yes ☐ No		Date Repaired
▪ Is there excessive noise/vibration during motor operation?	☐ Yes ☐ No		Date Repaired
▪ Are there any unusual odors from motors during operation?	☐ Yes ☐ No		Date Repaired
▪ Are zero speeds working?	☐ Yes ☐ No		Date Repaired
▪ Are all wiring connections tight? (no loose wires)	☐ Yes ☐ No		Date Repaired
▪ Are all motors properly ventilated?	☐ Yes ☐ No		Date Repaired
▪ Are all motors connected to drive coupling?	☐ Yes ☐ No		Date Repaired
▪ Check and maintain proper oil levels in motors/reducers	☐ Yes ☐ No		Date Repaired
▪ Have all oil samples been taken?	☐ Yes ☐ No		Date Repaired
▪ Are drive or driven sprockets showing signs of wear?	☐ Yes ☐ No		Date Repaired
▪ Are there any cracks in shafts?	☐ Yes ☐ No		Date Repaired
▪ Are drive belts cracking? (if applicable)	☐ Yes ☐ No		Date Repaired
▪ Are sheaves showing signs of wear?	☐ Yes ☐ No		Date Repaired
▪ Are the drive couplings working properly?	☐ Yes ☐ No		Date Repaired

Feeder Drive Comments: _____

COLLECTING SCALE AND FEED CONVEYORS (Cold Feed and RAP Collecting)

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Conveyors being inspected are completely empty of all aggregate material.

NOTE: Always utilize OSHA Confined Space procedures.

COLLECTING/FEED CONVEYOR

➤ Inspect Collecting and Feed Conveyor Belting - Perform visual inspection of entire unit to look for noticeable issues. Note all areas that are damaged for immediate repair or replacement.

▪ Are belts cracking or dry rotting?	☐ Yes ☐ No		Date Repaired
▪ Do belts have rips or tears?	☐ Yes ☐ No		Date Repaired
▪ Are there any damaged seams?	☐ Yes ☐ No		Date Repaired
▪ Are belts proper thickness? (2ply/3ply, etc.)	☐ Yes ☐ No		Date Repaired
▪ Are belts tracking properly?	☐ Yes ☐ No		Date Repaired
▪ Inspect all rubber skirting for holes and note for replacement	☐ Yes ☐ No		Date Repaired
▪ Inspect all air lines for damage and note for repair	☐ Yes ☐ No		Date Repaired
▪ Inspect all wiring/junction boxes/terminal strips	☐ Yes ☐ No		Date Repaired

- | | | | |
|---|--|-------|---------------|
| ▪ Are any wires frayed, burned, broken, or melted? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Reinstall any/all guards that have been removed during repairs | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are zero speed sensors operating correctly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are load cells operating correctly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are tachometer zero speeds operating correctly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Make sure belt scale is properly calibrated and test weights are available at the unit. | ☐ Yes ☐ No | | |
| ▪ Have conveyor idlers been string lined? | ☐ Yes ☐ No | _____ | Date Repaired |

Collecting Conveyor Comments: _____

COLLECTING/FEED CONVEYOR

➤ Inspect Belt Scale

- | | | | |
|-----------------------------------|--|-----------|---------------|
| ▪ Has belt scale been calibrated? | Low _____ | Med _____ | High _____ |
| ▪ Have test weights been tested? | ☐ Yes ☐ No | _____ | TPH |
| ▪ Inspect gravity take-up | ☐ Yes ☐ No | _____ | Date Repaired |

Belt Scale Comments: _____

COLLECTING/FEED CONVEYOR

➤ Inspect Bearings

- | | | | |
|---|--|-------|---------------|
| ▪ Are bearings properly lubricated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are bearings' operating temperatures normal? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there visual abnormal coloration? (blackened grease) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Any excessive grease/oil escaping the bearings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are bearing mounting bolts tight? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there any excessive vibration while in operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any cracks in bearing housings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Any excessive noise while bearings are operating? | ☐ Yes ☐ No | _____ | Date Repaired |

Bearing Comments: _____

COLLECTING/FEED CONVEYOR

➤ Inspect Idlers

- | | | | |
|--|--|-------|---------------|
| ▪ Do idlers spin freely? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all idlers properly “string-lined” and aligned? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there excessive noise from idlers during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all guards in place? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all idler brackets tight against the frame? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Have conveyor idlers been string lined? | ☐ Yes ☐ No | _____ | Date Repaired |

Idler Comments: _____

COLLECTING/FEED CONVEYOR

➤ Inspect Drive Components (Motors/Reducers/Sprockets/Guards)

- | | | | |
|--|--|-------|---------------|
| ▪ Are motors operating at normal temperatures? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there excessive noise/vibration during motor operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Have gearbox/motor oil samples been taken? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any unusual odors from motors during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all wiring connections tight? (no loose wires) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all motors connected to drive coupling? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Check and maintain proper oil levels in motors/reducers? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect head shaft rubber lagging. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are drive or driven sprockets showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any cracks in the shafts? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are drive belts cracking? (if applicable) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are sheaves showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are the drive couplings working properly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect tail/wing pulley for wear | ☐ Yes ☐ No | _____ | Date Repaired |

Drive Comments: _____

DUST SILO

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Dust Silo being inspected is completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- Perform visual inspection of entire unit to look for noticeable leaks. Note all areas that are damaged for immediate repair or replacement.

- | | | | |
|--|--|-------|---------------|
| ▪ Inspect all safety gates | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect all air lines and air components | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are air solenoid valves operating properly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect weigh and deplete pod. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Check all air lines and hoses, water separator, regulator. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect all pipe flanges for loose or missing bolts. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect load cells for proper operation and calibration. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect all air pads for adequate operation and replace. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect tachometer. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect complete system for material build-up and clean/remove as necessary. | ☐ Yes ☐ No | _____ | Date Repaired |
| | | | |
| ▪ Inspect airlock valve. Note any damage or excessive wear and tag for replacement | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect all entry points into blower pipe or dust auger. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect ventilation into baghouse (if applicable). | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect dust auger. Inspect the body and look for excessive wear or leaks. Note all areas of wear for repair and/or replacement. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Look for wear in the bottom of the auger. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect all auger blades/flights for wear or damage. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are motors operating at normal temperatures? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there excessive noise/vibration during motor operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ If applicable, check silo baghouse, shaker components, air pulse valves, and bags | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any unusual odors from motors during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all wiring connections tight? (no loose wires) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all motors connected to drive coupling? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Check and maintain proper oil levels in motors/reducers | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect auger cover plates for wear or damage | ☐ Yes ☐ No | _____ | Date Repaired |

Dust Silo Comments: _____

VIBRATING SCREENS

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Vibrating Screens being inspected are completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- Perform visual inspection of entire unit to look for noticeable issues. Note all areas that are damaged for immediate repair or replacement.

▪ Inspect top of the screen to look for wear in screen wire.	☐ Yes ☐ No	_____	Date Repaired
▪ Are motors operating at normal temperatures?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there excessive noise/vibration during motor operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are there any unusual odors from motors during operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are all wiring connections tight? (no loose wires)	☐ Yes ☐ No	_____	Date Repaired
▪ Are all motors properly ventilated?	☐ Yes ☐ No	_____	Date Repaired
▪ Are all motors connected to drive coupling?	☐ Yes ☐ No	_____	Date Repaired
▪ Check and maintain proper oil levels in motors/reducers	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearings properly lubricated?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearings' operating temperatures normal?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there visual abnormal coloration? (blackened grease)	☐ Yes ☐ No	_____	Date Repaired
▪ Any excessive grease/oil escaping the bearings?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearing mounting bolts tight?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there any excessive vibration while in operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are there any cracks in bearing housings?	☐ Yes ☐ No	_____	Date Repaired
▪ Any excessive noise while bearings are operating?	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect springs and note any damaged or broken springs for replacement	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect all wiring/junction boxes/terminal strips	☐ Yes ☐ No	_____	Date Repaired
▪ If applicable, check air bag pressure	☐ Yes ☐ No	_____	Date Repaired
▪ Are any wires frayed, burned, broken, or melted?	☐ Yes ☐ No	_____	Date Repaired
▪ Reinstall any/all guards that have been removed during repairs	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect material discharge points to ensure that no material leaks exist. Note all worn or damaged areas for repair or replacement.	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect counterweight oil level and maintain fill	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect V-belt condition and adjust as necessary	☐ Yes ☐ No	_____	Date Repaired
▪ Check all mounting hardware and tighten as required	☐ Yes ☐ No	_____	Date Repaired
▪ Check hopper and skirt board for wear	☐ Yes ☐ No	_____	Date Repaired

Vibrating Screen Comments: _____

SLINGER CONVEYOR

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Slinger Conveyor being inspected is completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect Slinger Conveyor Belting - Perform visual inspection of entire unit to look for noticeable issues. Note all areas that are damaged for immediate repair or replacement.

▪ Are belts cracking or dry rotting?	☐ Yes ☐ No	_____	Date Repaired
▪ Do belts have rips or tears?	☐ Yes ☐ No	_____	Date Repaired
▪ Are there any damaged seams?	☐ Yes ☐ No	_____	Date Repaired
▪ Are belts proper thickness? (2ply/3ply, etc.)	☐ Yes ☐ No	_____	Date Repaired
▪ Are belts tracking properly?	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect all rubber skirting for holes and note for replacement	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect all air lines for damage and note for repair	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect all wiring/junction boxes/terminal strips	☐ Yes ☐ No	_____	Date Repaired
▪ Are any wires frayed, burned, broken, or melted?	☐ Yes ☐ No	_____	Date Repaired
▪ Reinstall any/all guards that have been removed during repairs	☐ Yes ☐ No	_____	Date Repaired
▪ Are zero speed sensors operating correctly?	☐ Yes ☐ No	_____	Date Repaired
▪ Have oil samples been taken?	☐ Yes ☐ No	_____	Date Repaired
▪ In Indexing slinger, inspect indexing mechanical components to ensure proper motional function.	☐ Yes ☐ No	_____	Date Repaired

Slinger Conveyor Comments: _____

SLINGER CONVEYOR

- Inspect Bearings

▪ Are bearings properly lubricated?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearings' operating temperatures normal?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there visual abnormal coloration? (blackened grease)	☐ Yes ☐ No	_____	Date Repaired
▪ Any excessive grease/oil escaping the bearings?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearing mounting bolts tight?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there any excessive vibration while in operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are there any cracks in bearing housings?	☐ Yes ☐ No	_____	Date Repaired
▪ Any excessive noise while bearings are operating?	☐ Yes ☐ No	_____	Date Repaired

Bearing Comments: _____

SLINGER CONVEYOR

➤ Inspect Idlers

- | | | | |
|--|--|-------|---------------|
| ▪ Do idlers spin freely? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all idlers properly “string-lined” and aligned? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there excessive noise from idlers during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all guards in place? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all idler brackets tight against the frame? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Check head pulley lagging | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Check tail/wing pulley | ☐ Yes ☐ No | _____ | Date Repaired |

Idler Comments: _____

SLINGER CONVEYOR

➤ Inspect Drive Components (Motors/Reducers/Sprockets/Guards)

- | | | | |
|--|--|-------|---------------|
| ▪ Are motors operating at normal temperatures? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Is there excessive noise/vibration during motor operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any unusual odors from motors during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all wiring connections tight? (no loose wires) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are all motors connected to drive coupling? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Check and maintain proper oil levels in motors/reducers | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Have oil samples been taken? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are drive or driven sprockets showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are there any cracks in the shafts? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are drive belts cracking? (if applicable) | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are sheaves showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Are the drive couplings working properly? | ☐ Yes ☐ No | _____ | Date Repaired |

Drive Comments: _____

DRUM – DRYER – ROTARY MIXER

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Drum/Dryer/Rotary Mixer being inspected is completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect complete unit - Perform visual inspection of complete system to look for noticeable issues. Note all areas that are damaged for immediate repair or replacement.

- | | | | |
|---|--|-------|---------------|
| ▪ Inspect all drum seals. Look for cracked, missing sections and note for repair or replacement. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect drum interior and check for the following: | | | |
| ○ Are there any missing flights? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any broken flights? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any bent flights? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any heat distorted flights? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any worn flights? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any missing flight clips? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any missing/damaged material dams? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect inlet spiral flights and note for repair. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect shell integrity. Look for excessive wear throughout, especially in the combustion flight zone, where excessive heat from the burner flame exists. | | | |
| Perform shell thickness test. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect discharge paddles and check for the following: | | | |
| ○ Are there any missing discharge paddles? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any bent discharge paddles? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any missing connection bolts? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are paddles adjusted to housing? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check end ring and wear bars | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect the discharge chute and check for the following: | | | |
| ○ Is there any visible wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any liners missing/worn? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Does discharge chute need liners? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect all liquid AC injection lines for leaks and replace as necessary. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ If drum has recycle processing, inspect and check for the following: | | | |
| ○ Inspect RAP chutes for excessive wear. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect for excessive material build-up and remove. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect the seals (uphill and downhill) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect existing material dams inside of drum shell for excessive wear. Note for replacement. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Drive Components (Motors/Reducers/Sprockets/Guards) | | | |
| ○ Are motors operating at normal temperatures? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there excessive noise/vibration during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any unusual odors during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all wiring connections tight? (no loose wires) | ☐ Yes ☐ No | _____ | Date Repaired |

- | | | | |
|---|--|-------|---------------|
| ○ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check all motors connected to drive coupling | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are the drive couplings working properly? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check and maintain proper oil levels in motors/reducers | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Have oil samples been taken? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are drive or driven sprockets showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any cracks in shafts? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are drive belts cracking? (if applicable) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are sheaves showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is drive chain showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ If cradle chain drive, is there chain shoe wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ If cradle chain drive, inspect drive/driven sprocket | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ If cradle chain drive, inspect circumferential sprocket | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ If ring gear drive, inspect ring and pinion gear | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ If trunnion drive, inspect trunnion faces | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearings properly lubricated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearings' operating temperatures normal? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there visual abnormal coloration? (blackened grease) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Any excessive grease/oil escaping the bearings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearing mounting bolts tight? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there any excessive vibration while in operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any cracks in bearing housings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Any excessive noise while bearings are operating? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect tires for misaligned wear, as well as making sure all tire rigging is intact. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ If any rigging bars are missing, note for immediate repair and replacement. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect trunnion alignment. Excessive wear on trunnions and tires can also be cause of improper trunnion alignment. Stansteel/Hotmix Parts trunnion alignment tool (T-Trac Alignment System) is a state-of-the-art tool that establishes a properly skewed trunnion roller setting to thrust the drum/dryer/rotary mixer in the uphill direction, which can save thousands of dollars in premature trunnion and tire wear. Inspect and note for immediate repair and replacement. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect thrust rollers and bearings for excessive wear. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check thrust rollers to tire gap. Contact OEM manufacturer for gap clearances. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check tire rigging cold clearances per OEM specs. | ☐ Yes ☐ No | _____ | Date Repaired |

Drum/Dryer/Rotary Mixer Comments: _____

➤ Burner System

- Depending on the burner manufacturer, consult Operations and Maintenance instructions of the specific burner model prior to any maintenance or adjustments. Consult your Stansteel/Hotmix Parts representative for a qualified and trained burner adjustment/tuning consultant for your burner maintenance needs.
- For preventative maintenance tips, consider the following:
- Check Y strainer, filters, water separators, pre-heater, valves, safety switches. ☐ Yes ☐ No _____ Date Repaired
- Inspect all fuel lines for signs of wear or damage. ALWAYS follow OSHA protocols for asphalt plant sites when dealing with leaking fuel, whether natural gas, propane, or fuel oil. Note for replacement. ☐ Yes ☐ No _____ Date Repaired
- Inspect for any leaks in ALL piping, fuel lines, or valves. Note for immediate repair or replacement. ☐ Yes ☐ No _____ Date Repaired
- Check proper fuel pressure. Refer to manufacturer's documentation for guidelines. ☐ Yes ☐ No _____ Date Repaired
- Check burner tube and Teepee for wear. ☐ Yes ☐ No _____ Date Repaired
- Check flame eye cooling air for proper operation. ☐ Yes ☐ No _____ Date Repaired

Burner Comments: _____

DRAG SLAT CONVEYOR

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that the Drag Slat Conveyor being inspected is completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- After performing proper OSHA Lock Out - Tag Out procedures, perform the following inspections:
 - Remove any top inspection doors as needed to gain access to the inside area of the Drag Slat Conveyor. Inspect chain for wear (normal chain rollers will wear in an "hourglass" shape). ☐ Yes ☐ No _____ Date Repaired
 - Inspect chain side bars for wear. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the floor and slat conveyor side walls for signs of wear and note to replace floor liners and side liners as required. ☐ Yes ☐ No _____ Date Repaired
 - Check the chain tension and make sure the slats are not rubbing the floor or side walls. ☐ Yes ☐ No _____ Date Repaired

(NOTE: Common side wall wear can be attributed to not "centering loading" the material at the tail end section of the drag slat conveyor. If asphalt mix is entering the drag slat conveyor too much to the left or right (when distributed from the mixer discharge chute), it could cause the chain to pull to either side unevenly and will wear the side liners out.

- | | | | |
|---|--|-------|---------------|
| ▪ Inspect the tail section. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect tail shaft. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect the bearings. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearings properly lubricated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearings' operating temperatures normal? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there visual abnormal coloration? (blackened grease) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Any excessive grease/oil escaping the bearings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearing mounting bolts tight? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there any excessive vibration while in operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any cracks in bearing housings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Any excessive noise while bearings are operating? | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect the reject chute. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect air cylinder and air lines. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect solenoid valve. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect FRL system (filter, regulator, lubricator). | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect flop gate to make sure it opens and closes without binding. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect Idler shafts and take-up bearings. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect head section. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect motor/reducer. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are motors operating at normal temperatures? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there excessive noise/vibration during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any unusual odors during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all wiring connections tight? (no loose wires) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all motors connected to drive coupling? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check/maintain proper oil levels in motors/reducers? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Have oil samples been taken? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are drive or driven sprockets showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any cracks in shafts? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect Take-up Assembly. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check drive coupling (HAVE A SPARE!). | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check sprocket segments, hubs, keyway. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect discharge outlet chute to make sure it's clean. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check any shutdown devices. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Drag slat conveyor heating system. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect drag slat conveyor heating system for leaks. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect temperature controller, wiring, and junction boxes. | ☐ Yes ☐ No | _____ | Date Repaired |

Drag Slat Conveyor Comments: _____

SILO STORAGE

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection. Before entering through the bottom cone section for any inspections, it is recommended that all clam and safety gates are chained open to ensure safe entry in the event air pressure is lost on active air cylinders that operate the gates, and Silos are emptied of all material prior to entry into the Silo.

NOTE: Always utilize OSHA Confined Space procedures.

- An important element of ensuring safe operations when operating silos is to make sure the silo walls and bottom cone walls are at the proper material thickness. Use an ultrasonic material thickness gauge and chart the wall thickness above the tub-wall/cone transition, as well as in various places along the cone wall. If wear is noticed, note for immediate repair by adding additional liner wear plates or tub-wall/cone liner material.

Contact your Stansteel/Hotmix Parts representative for a quote for liner replacements specific to your plant's silo system.

- Inspect the low and high material level indicators ☐ Yes ☐ No _____ Date Repaired
- Inspect the batchers and transfer conveyors. ☐ Yes ☐ No _____ Date Repaired
- Inspect liners, bearings, bushings, pins. ☐ Yes ☐ No _____ Date Repaired

NOTE! Use extreme caution – Some batcher gates can be opened by batcher limit switches. Make certain to bleed off the air lines.

- Inspect air cylinders, FRL, and air lines ☐ Yes ☐ No _____ Date Repaired
- Inspect pivot arm assembly ☐ Yes ☐ No _____ Date Repaired
- Inspect bearings ☐ Yes ☐ No _____ Date Repaired
- Inspect limit switches ☐ Yes ☐ No _____ Date Repaired
- Inspect solenoid valves ☐ Yes ☐ No _____ Date Repaired
- Are there any unusual odors during operation ☐ Yes ☐ No _____ Date Repaired
- Are all wiring connections tight? (no loose wires) ☐ Yes ☐ No _____ Date Repaired
- Inspect FRL system (filter, regulator, lubricator). ☐ Yes ☐ No _____ Date Repaired
- Inspect the batcher walls for signs of wear and note for repair ☐ Yes ☐ No _____ Date Repaired

Contact your Stansteel/Hotmix Parts representative for a quote for batcher liner replacements specific to your plant's silo system.

Silo Comments: _____

BINTOP CONVEYOR

- Inspect Bintop Conveyor System:
 - Inspect motor/reducer. ☐ Yes ☐ No _____ Date Repaired
 - Are motors operating at normal temperatures? ☐ Yes ☐ No _____ Date Repaired
 - Is there excessive noise/vibration during operation? ☐ Yes ☐ No _____ Date Repaired

- | | | | |
|---|--|-------|---------------|
| ○ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all motors connected to drive coupling? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check/maintain proper oil levels in motors/reducers | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Have oil samples been taken? | ☐ Yes ☐ No | _____ | Date Repaired |

Bintop Conveyor Comments:

BAGHOUSE

NOTE: Make sure baghouse is being inspected utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection. Before entering the baghouse for any inspection, it is recommended that all inspectors wear proper PPE for adequate ventilation to make sure safe entry into the baghouse. NEVER step on top of the safety grates at the bottom of the baghouse directly over the screw auger without making sure safety grates exist and/or are secure enough to walk on or place limbs in any open area while screw auger is in operation.

NOTE: Always utilize OSHA Confined Space procedures.

NOTE: Shut off air supply and de-pressurize all air lines connected to the FRL System prior to entering the baghouse.

➤ Perform the following inspections:

- Inspect complete baghouse exterior structure and note any area that has leakage and note for immediate repair. ☐ Yes ☐ No _____ Date Repaired
- Inspect the air system.
 - Inspect the air compressor tanks for damage. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the air lines. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the solenoid valves. ☐ Yes ☐ No _____ Date Repaired
 - Inspect FRL system (filter, regulator, lubricator). ☐ Yes ☐ No _____ Date Repaired
 - Ensure that bags and cages are correctly installed. ☐ Yes ☐ No _____ Date Repaired
 - Draw water from reservoir tank. ☐ Yes ☐ No _____ Date Repaired
- Ensure that blowpipe orifices are properly aligned over cage venturis:
 - Check each valve and hose connection to make sure all hose clamps are tight. ☐ Yes ☐ No _____ Date Repaired
 - Inspect top doors for proper closure. ☐ Yes ☐ No _____ Date Repaired
 - Inspect door seals for missing sections or cracks. ☐ Yes ☐ No _____ Date Repaired
 - Check each diaphragm valve for operation. ☐ Yes ☐ No _____ Date Repaired
 - Check rotary air taurus bearings, brake pads, motor. ☐ Yes ☐ No _____ Date Repaired
- Inspect housing and hopper section. ☐ Yes ☐ No _____ Date Repaired
 - Check to see that all inlet baffles are bolted in place. ☐ Yes ☐ No _____ Date Repaired

- Check to see that all bags and cages hang straight down and are not touching each other, touching the baffles, or side walls. ☐ Yes ☐ No _____ Date Repaired
- Check and make sure all connections are sealed to ensure air tightness. Look for cracked welds, chipped or worn paint, or corrosion ☐ Yes ☐ No _____ Date Repaired
- Inspect Auger cover guards – Be sure all are in place before operating the Baghouse. ☐ Yes ☐ No _____ Date Repaired
- Check auger hanger bearings. ☐ Yes ☐ No _____ Date Repaired
- Inspect baghouse exterior.
 - Ensure Magnehelic pressure differential gauge or manometer for proper connection and is zeroed out. ☐ Yes ☐ No _____ Date Repaired
 - Ensure that inlet and outlet ducts are connected and that all inlet dampers are open. ☐ Yes ☐ No _____ Date Repaired
 - Confirm to see that dust discharge equipment operates properly. ☐ Yes ☐ No _____ Date Repaired
 - Inspect air tubing for leaks and note for repair. ☐ Yes ☐ No _____ Date Repaired
- Inspect Compressed Air Header and Valves and confirm the following:
 - Check to see that solenoid exhaust ports are open to the atmosphere (and plastic plugs are removed). ☐ Yes ☐ No _____ Date Repaired
 - Inspect tubing from solenoids to diaphragms to make sure they are not crimped or loose. ☐ Yes ☐ No _____ Date Repaired
 - Check to see that compressed air lines have been blown down to remove impurities and that all air connections are tight. ☐ Yes ☐ No _____ Date Repaired
 - Check to see that compressed air pressure is 100 psig minimum. ☐ Yes ☐ No _____ Date Repaired
 - Check to see that timer is properly wired to solenoids and adequate power is available. ☐ Yes ☐ No _____ Date Repaired
 - With compressed air supply, turn on timer and check proper operation and sequence of pulsing. Proper operation of solenoid valves may be detected by placing your hand near the exhaust port. When the valve is energized, it will vent air to atmosphere. At this time, compressed air can be checked for signs of moisture and/or oil. ☐ Yes ☐ No _____ Date Repaired
- Inspect dust blower system.
 - Inspect all blower hoses/piping for wear. ☐ Yes ☐ No _____ Date Repaired
 - Inspect dust wear-back elbows for extensive wear. ☐ Yes ☐ No _____ Date Repaired
 - Inspect blower motor unit. ☐ Yes ☐ No _____ Date Repaired
 - Check dead-head blower pressure. ☐ Yes ☐ No _____ Date Repaired
 - Check dust bowls, wear-back elbows for wear. ☐ Yes ☐ No _____ Date Repaired
 - Are motors operating at normal temperatures? ☐ Yes ☐ No _____ Date Repaired
 - Is there excessive noise/vibration during operation? ☐ Yes ☐ No _____ Date Repaired
 - Are there any unusual odors during operation? ☐ Yes ☐ No _____ Date Repaired
 - Check oil level in blower. ☐ Yes ☐ No _____ Date Repaired
 - Have oil samples been taken? ☐ Yes ☐ No _____ Date Repaired
 - Are all wiring connections tight? (no loose wires) ☐ Yes ☐ No _____ Date Repaired
 - Are all motors properly ventilated? ☐ Yes ☐ No _____ Date Repaired
 - Are all motors connected to drive coupling? ☐ Yes ☐ No _____ Date Repaired
 - Check/maintain proper oil levels in motors? ☐ Yes ☐ No _____ Date Repaired

- To check system for leaks, perform a “moonlite powder” test. Contact your Stansteel/Hotmix Parts representative for details on the Moonlighting System and additional procedures for performing this type of inspection. ☐ Yes ☐ No _____ Date Repaired
- Check temperature gauges throughout the baghouse system, including the stack temperature device locations. Note all faulty thermocouples for immediate replacement. ☐ Yes ☐ No _____ Date Repaired

Baghouse Comments: _____

EXHAUST FAN & DUCTWORK

NOTE: Make sure inspections are utilizing proper OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection.

➤ PRIOR TO FAN SHUTDOWN PROCESS:

- While fan is running:
 - Is there excess vibration? ☐ Yes ☐ No _____ Date Repaired
 - Are there any unusual odors? ☐ Yes ☐ No _____ Date Repaired
 - With fan running, compressed air operating, and timer engaged, note the action of the filter tubes. A momentary short expansion should be noted in each row of filter tubes as they are pulsed. ☐ Yes ☐ No _____ Date Repaired

➤ AFTER LOCK OUT - TAG OUT PROCEDURES:

- Inspect fan
 - Check for leaks at all locations ☐ Yes ☐ No _____ Date Repaired
 - Is fan rotation correct and rotating freely without friction? ☐ Yes ☐ No _____ Date Repaired
- Fan wheel alignment
 - Ensure wheels are positioned on the shaft so that there is minimum running clearance near the inlet. ☐ Yes ☐ No _____ Date Repaired
 - Ensure fan wheel is concentric with the inlet. ☐ Yes ☐ No _____ Date Repaired
 - Check for any vibration. ☐ Yes ☐ No _____ Date Repaired
 - Check fan strike-off plate. ☐ Yes ☐ No _____ Date Repaired
- V-Belt drive alignment

The following should be checked and adjusted:

- Fan and motor shafts must be parallel. Adjust and shim motor as required. ☐ Yes ☐ No _____ Date Repaired
- Fan and motor sheaves must be aligned. ☐ Yes ☐ No _____ Date Repaired
- Adjustable motor sheave grooves must have no eccentricity. ☐ Yes ☐ No _____ Date Repaired
- Fan and motor sheave balance should be checked when there is any vibration. ☐ Yes ☐ No _____ Date Repaired

- Belts must be tight enough to avoid slippage. Do not over-tighten, which loads bearings and causes vibration and unnecessary wear. Follow drive manufacturer's recommendations for type of drive being used. ☐ Yes ☐ No _____ Date Repaired

- Couple Alignment (Direct drive only)

- Couplings, particularly gear type, require careful alignment for smooth operation and long life. ☐ Yes ☐ No _____ Date Repaired

Exhaust Fan/Ductwork Comments:

HOT OIL HEATER

NOTE: Make sure the hot oil heater is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection.

- Inspect the entire system. Look for any exterior damage and note for immediate repair. ☐ Yes ☐ No _____ Date Repaired
- Inspect all piping and valves for leaks or signs of excessive wear. ☐ Yes ☐ No _____ Date Repaired
- Inspect the entire electrical system. Look for loose, dry rot, or frayed wiring and note for immediate replacement. ☐ Yes ☐ No _____ Date Repaired
- Inspect the hot oil heater burner. Contact your Stansteel/Hotmix Parts representative for details on the tuning of the hot oil heater burner and additional procedures for performing this type of inspection. ☐ Yes ☐ No _____ Date Repaired
- Check all safeties. ☐ Yes ☐ No _____ Date Repaired
- Inspect and test the heat fluid oil to make sure there is no water. Send an oil sample for analysis. ☐ Yes ☐ No _____ Date Repaired
- Inspect and make sure the unit is properly venting. Any air that is bound in your oil will cause your pump to cavitate. ☐ Yes ☐ No _____ Date Repaired
- Inspect the strainer to make sure it is not clogged. ☐ Yes ☐ No _____ Date Repaired
- Check expansion tank for sludge or buildup. ☐ Yes ☐ No _____ Date Repaired

Hot Oil Heater Comments:

A.C. TANKS with PIPING and VALVES

NOTE: Make sure the tank system is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection. It is recommended that all inspectors wear proper PPE for adequate protection against burns.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect the entire exterior of tanks for damage. Make immediate repairs for any leaks. ☐ Yes ☐ No _____ Date Repaired
- Inspect the skin and insulation of the exterior of the tanks. Repair any area that shows punctures, rips, or additional damage. ☐ Yes ☐ No _____ Date Repaired
- If equipped with tank agitators, inspect the agitator drive components including the motor, reducer, and drive coupling. ☐ Yes ☐ No _____ Date Repaired
- Inspect the skin and insulation of the exterior of the tanks. Repair any area that shows punctures, rips, or additional damage. ☐ Yes ☐ No _____ Date Repaired
- Inspect level indicators. Contact your Stansteel/Hotmix Parts representative regarding Accu-Level Tank Monitoring products and Tank Manager products. ☐ Yes ☐ No _____ Date Repaired
- Inspect the base of all tanks to make sure there are no leaks. ☐ Yes ☐ No _____ Date Repaired
- Inspect all A.C. piping, connections, and valves. ☐ Yes ☐ No _____ Date Repaired
- If equipped with blue smoke condensers, inspect for build-up. ☐ Yes ☐ No _____ Date Repaired
- When possible, drain tank and inspect for buildup. ☐ Yes ☐ No _____ Date Repaired

A.C. Tank Comments: _____

PUMP SKIDS

NOTE: Make sure pump skid system is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection. It is recommended that all inspectors wear proper PPE for adequate protection against burns.

- Inspect the skid pump for leaks in the pipe connections and pump seats. ☐ Yes ☐ No _____ Date Repaired
- Inspect the motor, belts, and sheaves for wear. ☐ Yes ☐ No _____ Date Repaired
- Inspect the meter system and valving. ☐ Yes ☐ No _____ Date Repaired
- Calibrate. ☐ Yes ☐ No _____ Date Repaired

Pump Skid Comments: _____

OFF-LOADING PUMP

NOTE: Make sure the off-loading pump system is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection. It is recommended that all inspectors wear proper PPE for adequate protection against burns.

- Inspect the skid pump for leaks in the pipe connections and pump seats. ☐ Yes ☐ No _____ Date Repaired
- Inspect the motor, belts, and sheaves for wear. ☐ Yes ☐ No _____ Date Repaired

- Inspect the meter system and valving.

☐ Yes ☐ No _____ Date Repaired

Off-Loading Pump Comments:

BATCH PLANTS

DRYER

NOTE: Make sure the dryer is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect complete unit - Perform visual inspection of complete system to look for noticeable issues. Note all areas that are damaged for immediate repair or replacement.
- Inspect all dryer seals. Look for cracked, missing sections and note for repair or replacement.

☐ Yes ☐ No _____ Date Repaired
- Inspect dryer interior and check for the following:
 - Are there any missing flights? ☐ Yes ☐ No _____ Date Repaired
 - Are there any broken flights? ☐ Yes ☐ No _____ Date Repaired
 - Are there any bent flights? ☐ Yes ☐ No _____ Date Repaired
 - Are there any heat distorted flights? ☐ Yes ☐ No _____ Date Repaired
 - Are there any missing flight clips? ☐ Yes ☐ No _____ Date Repaired
 - Are there any missing/damaged material dams? ☐ Yes ☐ No _____ Date Repaired
 - Inspect Inlet spiral flights and note for repair. ☐ Yes ☐ No _____ Date Repaired
- Inspect shell integrity. Look for excessive wear throughout, especially in the combustion flight zone, where excessive heat from the burner flame exists. Perform shell thickness test.

☐ Yes ☐ No _____ Date Repaired
- Inspect discharge paddles and check for the following:
 - Are there any missing discharge paddles? ☐ Yes ☐ No _____ Date Repaired
 - Are there any bent discharge paddles? ☐ Yes ☐ No _____ Date Repaired
 - Are there any missing connection bolts? ☐ Yes ☐ No _____ Date Repaired
 - Inspect discharge paddle ring and wear bars ☐ Yes ☐ No _____ Date Repaired
- Inspect the discharge chute and check for the following:
 - Is there any visible wear? ☐ Yes ☐ No _____ Date Repaired
 - Are there any liners missing/worn? ☐ Yes ☐ No _____ Date Repaired
 - Does discharge chute need liners? ☐ Yes ☐ No _____ Date Repaired
- Drive components (Motors/Reducers/Sprockets/Guards)
 - Are motors operating at normal temperatures? ☐ Yes ☐ No _____ Date Repaired
 - Is there excessive noise/vibration during operation? ☐ Yes ☐ No _____ Date Repaired

- Are there any unusual odors during operation? ☐ Yes ☐ No _____ Date Repaired
- Are all wiring connections tight? (no loose wires) ☐ Yes ☐ No _____ Date Repaired
- Are all motors properly ventilated? ☐ Yes ☐ No _____ Date Repaired
- Are all motors connected to drive coupling? ☐ Yes ☐ No _____ Date Repaired

- Check and maintain proper oil levels in motors/reducers? ☐ Yes ☐ No _____ Date Repaired
- Have oil samples been taken? ☐ Yes ☐ No _____ Date Repaired
- Are drive or driven sprockets showing signs of wear? ☐ Yes ☐ No _____ Date Repaired
- Are there any cracks in shafts? ☐ Yes ☐ No _____ Date Repaired
- Are drive belts cracking? (if applicable) ☐ Yes ☐ No _____ Date Repaired
- Are sheaves showing signs of wear? ☐ Yes ☐ No _____ Date Repaired
- Are the drive couplings working properly? ☐ Yes ☐ No _____ Date Repaired
- Is drive chain showing signs of wear? ☐ Yes ☐ No _____ Date Repaired
- If cradle chain drive, is there chain shoe wear? ☐ Yes ☐ No _____ Date Repaired
- If cradle chain drive, inspect drive/driven sprocket ☐ Yes ☐ No _____ Date Repaired
- If cradle chain drive, inspect circumferential sprocket ☐ Yes ☐ No _____ Date Repaired
- If ring gear drive, inspect ring and pinion gear ☐ Yes ☐ No _____ Date Repaired
- If trunnion drive, inspect trunnion faces ☐ Yes ☐ No _____ Date Repaired
- Are bearings properly lubricated? ☐ Yes ☐ No _____ Date Repaired
- Are bearings' operating temperatures normal? ☐ Yes ☐ No _____ Date Repaired
- Is there visual abnormal coloration? (blackened grease) ☐ Yes ☐ No _____ Date Repaired
- Any excessive grease/oil escaping the bearings? ☐ Yes ☐ No _____ Date Repaired
- Are bearing mounting bolts tight? ☐ Yes ☐ No _____ Date Repaired
- Is there any excessive vibration while in operation? ☐ Yes ☐ No _____ Date Repaired
- Are there any cracks in bearing housings? ☐ Yes ☐ No _____ Date Repaired
- Any excessive noise while bearings are operating? ☐ Yes ☐ No _____ Date Repaired
- Inspect tires for misaligned wear, as well as making sure all tire rigging is intact. ☐ Yes ☐ No _____ Date Repaired
- If any rigging bars are missing, note for immediate repair and replacement. ☐ Yes ☐ No _____ Date Repaired

- Inspect trunnion alignment. Excessive wear on trunnions and tires can also be the cause of improper trunnion alignment. T-Trac Alignment System is a state-of-the-art tool that establishes a properly skewed trunnion roller setting to thrust the drum/dryer/rotary mixer in the uphill direction, which can save thousands of dollars in premature trunnion and tire wear. Contact your Stansteel/Hotmix Parts representative for information on this trunnion alignment tool.

- Inspect and note for immediate repair and replacement. ☐ Yes ☐ No _____ Date Repaired

- Inspect thrust rollers and bearings for excessive wear. ☐ Yes ☐ No _____ Date Repaired

Dryer Comments: _____

BURNER SYSTEM

NOTE: Make sure the dryer is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection.

- Depending on the burner manufacturer, consult Operations and Maintenance instructions of the specific burner model prior to any maintenance or adjustments. Consult your Stansteel® or Hotmix Parts® representative for a qualified and trained burner adjustment/tuning consultant for your burner maintenance needs.
- For preventative maintenance tips, consider the following:
 - Check Y-strainer, filters, water separators, pre-heaters, valves, safety switches. ☐ Yes ☐ No _____ Date Repaired
 - Inspect all fuel lines for signs of wear or damage. ALWAYS follow OSHA protocols for asphalt plant sites when dealing with leaking fuel, whether natural gas, propane, or fuel oil. Note for repair or replacement. ☐ Yes ☐ No _____ Date Repaired
 - Inspect for any leaks in **ALL** piping, fuel lines, or valves. Note for immediate repair or replacement. ☐ Yes ☐ No _____ Date Repaired
 - Check proper fuel pressure. Refer to manufacturer's documentation for guidelines. ☐ Yes ☐ No _____ Date Repaired

Burner System Comments:

BUCKET ELEVATOR

NOTE: Make sure the bucket elevator is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect the exterior of the bucket elevator including all flanged connections to make sure there are no leaks and perform the following inspections:
- Remove any top inspection doors as needed to gain access to inside of the Bucket Elevator.
- Inspect chain for wear (normal chain rollers will wear in an “hourglass” shape). ☐ Yes ☐ No _____ Date Repaired
- Inspect chain side bars for wear. ☐ Yes ☐ No _____ Date Repaired
- Inspect the floor and bucket elevator side walls for signs of wear and note to replace floor liners and side liners as required. ☐ Yes ☐ No _____ Date Repaired
- Check the chain tension and make sure the buckets are not rubbing the floor or side walls. ☐ Yes ☐ No _____ Date Repaired

(NOTE: Common side wall wear can be attributed to not “centering loading” the material at the tail end section of the bucket elevator. If aggregate loading is entering the bucket elevator too much to the left or right (when distributed from the mixer discharge chute), it could cause the chain to pull to either side unevenly and will wear the side liners out.

- | | | | |
|--|--|-------|---------------|
| ▪ Inspect the tail section. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect tail shaft. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect the bearings. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearings properly lubricated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearings' operating temperatures normal? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there visual abnormal coloration? (blackened grease) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Any excessive grease/oil escaping the bearings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are bearing mounting bolts tight? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there any excessive vibration while in operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any cracks in bearing housings? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Any excessive noise while bearings are operating? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect gravity take-up | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect chain idlers | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect Idler shafts and take-up bearings. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ Inspect head section. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect air cylinder and air lines. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect motor/reducer. | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are motors operating at normal temperatures? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Is there excessive noise/vibration during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any unusual odors during operation? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all wiring connections tight? (no loose wires) | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all motors properly ventilated? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are all motors connected to drive coupling? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Check/maintain proper oil levels in motors/reducers? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are drive or driven sprockets or traction wheel showing signs of wear? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Are there any cracks in shafts? | ☐ Yes ☐ No | _____ | Date Repaired |
| ○ Inspect discharge outlet chute to make sure it's clean. | ☐ Yes ☐ No | _____ | Date Repaired |
| ▪ On asphalt elevators, check hydraulic clevis clip. | ☐ Yes ☐ No | _____ | Date Repaired |

Bucket Elevator Comments:

VIBRATING SCREENS

NOTE: Make sure the vibrating screen(s) is/are being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection.

- Perform visual inspection of entire unit to look for noticeable issues. Note all areas that are damaged for immediate repair or replacement.

▪ Inspect top of the screen to look for wear in screen wire.	☐ Yes ☐ No	_____	Date Repaired
▪ Are motors operating at normal temperatures?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there excessive noise/vibration during motor operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are there any unusual odors from motors during operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are all wiring connections tight? (no loose wires)	☐ Yes ☐ No	_____	Date Repaired
▪ Are all motors properly ventilated?	☐ Yes ☐ No	_____	Date Repaired
▪ Are all motors connected to drive coupling?	☐ Yes ☐ No	_____	Date Repaired
▪ Check and maintain proper oil levels in reducers?	☐ Yes ☐ No	_____	Date Repaired
▪ Have oil samples been taken?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearings properly lubricated?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearings' operating temperatures normal?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there visual abnormal coloration? (blackened grease)	☐ Yes ☐ No	_____	Date Repaired
▪ Any excessive grease/oil escaping the bearings?	☐ Yes ☐ No	_____	Date Repaired
▪ Are bearing mounting bolts tight?	☐ Yes ☐ No	_____	Date Repaired
▪ Is there any excessive vibration while in operation?	☐ Yes ☐ No	_____	Date Repaired
▪ Are there any cracks in bearing housings?	☐ Yes ☐ No	_____	Date Repaired
▪ Any excessive noise while bearings are operating?	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect springs and note any damaged or broken springs for replacement	☐ Yes ☐ No	_____	Date Repaired
▪ Check air bag air pressure.	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect all wiring/junction boxes/terminal strips	☐ Yes ☐ No	_____	Date Repaired
▪ Are any wires frayed, burned, broken, or melted?	☐ Yes ☐ No	_____	Date Repaired
▪ Reinstall any/all guards that have been removed during repairs	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect material discharge points to ensure that no material leaks exist. Note all worn or damaged areas for repair or replacement.	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect counterweight oil level and maintain fill.	☐ Yes ☐ No	_____	Date Repaired
▪ Inspect V-belt condition and adjust as necessary.	☐ Yes ☐ No	_____	Date Repaired
▪ Check all mounting hardware and tighten as required.	☐ Yes ☐ No	_____	Date Repaired
▪ Check for stress cracks.	☐ Yes ☐ No	_____	Date Repaired
▪ Check screen cloth on all decks.	☐ Yes ☐ No	_____	Date Repaired

Vibrating Screen Comments:

HOT BINS

NOTE: Make sure hot bins are being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that Bins are completely empty of all aggregate material.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect all bin side walls for excessive wear. If applicable, note for immediate repair by adding liners.
☐ Yes ☐ No _____ Date Repaired
- Inspect top of hot bin wall dividers to make sure that the impact from the aggregate has not caused excessive wear dropping from top. If excessive wear is discovered, note for immediate repair.
☐ Yes ☐ No _____ Date Repaired
- Inspect all bin level indicators in each hot bin section. ☐ Yes ☐ No _____ Date Repaired
- Inspect hot bin discharge gates to make sure they are operating properly. Note for immediate repair or replacement if loose. ☐ Yes ☐ No _____ Date Repaired
- Check FRL and air cylinders. ☐ Yes ☐ No _____ Date Repaired

Hot Bins Comments:

WEIGH HOPPER

NOTE: Make sure the weigh hopper is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that Weigh Hopper is completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect the exterior structure for excessive wear. If discovered, note for immediate repair or replacement.
☐ Yes ☐ No _____ Date Repaired
- Inspect the complete air supply system. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the air lines. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the solenoid valves. ☐ Yes ☐ No _____ Date Repaired
 - Inspect FRL system (filter, regulator, lubricator). ☐ Yes ☐ No _____ Date Repaired
- Inspect the gate. Note loose connections and note for immediate repair or replacement.
☐ Yes ☐ No _____ Date Repaired
- Inspect hopper for wear. ☐ Yes ☐ No _____ Date Repaired
- If load cells exist, inspect and replace as needed (calibrate). ☐ Yes ☐ No _____ Date Repaired
- If unit has level weigh system, check all contact areas. ☐ Yes ☐ No _____ Date Repaired

Weigh Hopper Comments:

PUGMILL

NOTE: Make sure the pugmill is being inspected properly utilizing OSHA Lock Out – Tag Out procedures for complete power disengagement prior to commencing inspection and that Pugmill is completely empty of all material.

NOTE: Always utilize OSHA Confined Space procedures.

- Inspect the exterior of the unit and note any wear area and note for repair. ☐ Yes ☐ No _____ Date Repaired
- Inspect drive components (Motors/Reducers/Sprockets/Guards)

NOTE: Remove inspection doors.

 - Are motors operating at normal temperatures? ☐ Yes ☐ No _____ Date Repaired
 - Is there excessive noise/vibration during motor operation? ☐ Yes ☐ No _____ Date Repaired
 - Are there any unusual odors from motors during operation? ☐ Yes ☐ No _____ Date Repaired
 - Are all wiring connections tight? (no loose wires) ☐ Yes ☐ No _____ Date Repaired
 - Are all motors properly ventilated? ☐ Yes ☐ No _____ Date Repaired
- Are all motors connected to drive coupling? ☐ Yes ☐ No _____ Date Repaired
- Check and maintain proper oil levels in motors/reducers. ☐ Yes ☐ No _____ Date Repaired
- Have oil samples been taken? ☐ Yes ☐ No _____ Date Repaired
- Inspect the pugmill shaft bearings? ☐ Yes ☐ No _____ Date Repaired
- Inspect the timing gears. ☐ Yes ☐ No _____ Date Repaired
- Inspect the pugmill shaft and mixer shanks. Note excessive wear and/or broken tips. Note for immediate replacement. ☐ Yes ☐ No _____ Date Repaired
- Inspect the pugmill end liners. Note excessive wear and note for repair or immediate replacement. ☐ Yes ☐ No _____ Date Repaired
- Inspect the pugmill bottom liners. Note excessive wear and note for repair or immediate replacement. ☐ Yes ☐ No _____ Date Repaired
- Inspect the pugmill gate. ☐ Yes ☐ No _____ Date Repaired
- Inspect the air cylinder. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the air lines. ☐ Yes ☐ No _____ Date Repaired
 - Inspect the solenoid valves. ☐ Yes ☐ No _____ Date Repaired
 - Inspect FRL system (filter, regulator, lubricator). ☐ Yes ☐ No _____ Date Repaired
- Inspect the limit switches. ☐ Yes ☐ No _____ Date Repaired
- Inspect the gate slide rails. ☐ Yes ☐ No _____ Date Repaired
- Inspect the gate liners and note for repair or immediate replacement. ☐ Yes ☐ No _____ Date Repaired

- Inspect liquid A.C. injection line. Check for leaks and note for immediate repair. ☐ Yes ☐ No _____ Date Repaired
- Inspect all spray nozzles to make sure of no clogging. ☐ Yes ☐ No _____ Date Repaired

Pugmill Comments: _____

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. At the very top and bottom edges, there is faint, large, light-colored text that appears to be a watermark or bleed-through from another page, possibly containing the word "original". The rest of the page is completely blank and ready for writing.



STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ____ / ____ / ____ INSPECTION PERFORMED BY: _____

SLAT CONVEYORS (MAIN AND BINTOP)

FLOOR THICKNESS (FLOOR THICKNESS MEASURED IN MULTIPLE POINTS IN APPROXIMATE 10'-0" INCREMENTS - LEFT, MIDDLE, RIGHT)

0'-0" _____ LT M RT	10'-0" _____ LT M RT	20'-0" _____ LT M RT
30'-0" _____ LT M RT	40'-0" _____ LT M RT	50'-0" _____ LT M RT
60'-0" _____ LT M RT	70'-0" _____ LT M RT	80'-0" _____ LT M RT
90'-0" _____ LT M RT	100'-0" _____ LT M RT	110'-0" _____ LT M RT
120'-0" _____ LT M RT	130'-0" _____ LT M RT	140'-0" _____ LT M RT

VARIOUS EQUIPMENT INSPECTIONS

INLET HOPPER CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

DISCHARGE CHUTES CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

FLOP GATE OPERATION AND CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

AIR CYLINDERS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

FILTERS, REGULATORS AND LUBRICATORS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

SIDE LINER CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

IDLER WHEELS

CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF REMAINING LIFE: _____ %

SPROCKETS

HEAD SHAFT PERCENTAGE OF WEAR LEFT: _____ %

TAIL SHAFT PERCENTAGE OF WEAR LEFT: _____ %

HEAD BEARING CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

TAIL BEARING CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

IDLER BEARING CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CHAIN

SIDE BAR WEAR:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

ROLLER/BUSHING WEAR:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

SLAT CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

OVERALL CHAIN CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF REMAINING CHAIN LIFE: _____ %

MOTOR/REDUCER

TEMPERATURE OF GEAR REDUCER: _____ °F

VIBRATION ANALYSIS OF GEAR REDUCER: _____

OIL ANALYSIS OF GEAR REDUCER: _____

ARE BELTS PROPERLY TENSIONED? ☐ YES ☐ NO

BELTS/SHEAVES CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

SLAT CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE



STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ___ / ___ / ___ INSPECTION PERFORMED BY: _____

DRYER/DRUM

CYLINDER/SHELL

COMBUSTION FLIGHTING:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF WEAR LIFE REMAINING: _____ %

VEILING FLIGHTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF WEAR LIFE REMAINING: _____ %

FULLY FUNCTIONING OR RATE PERCENTAGE: _____ %

INLET SPIRAL FLIGHTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF WEAR LIFE REMAINING: _____ %

MIXING FLIGHTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF WEAR LIFE REMAINING: _____ %

DISCHARGE PADDLES:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF WEAR LIFE REMAINING: _____ %

CHECK SHELL THICKNESS EVERY 2'-0"

INLET FEED

☐ SLINGER BELT

☐ CHUTE

CHECK SEAL AREA:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

OUTLET HOUSING TEMPERATURE PROFILE

POINT A TEMPERATURE: _____ ° F

POINT B TEMPERATURE: _____ ° F

POINT C TEMPERATURE: _____ ° F

POINT D TEMPERATURE: _____ ° F

SEAL AREA:

☐ EXCELLENT ☐ FAIR ☐ POOR

THRUST ROLLERS

ROLLER SURFACE:

EXCELLENT ☐ FAIR ☐ REPLACE

OVERALL CONDITION:

EXCELLENT ☐ FAIR ☐ REPLACE

PERCENTAGE OF WEAR LIFE REMAINING: _____ %

DRIVE UNIT

SLINGER:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

MOTOR:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

REDUCER:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

SHEAVES:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

BELT CONDITION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

ARE ALL BELTS TENSIONED PROPERLY?

☐ YES ☐ NO



STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ___ / ___ / ___ INSPECTION PERFORMED BY: _____

DRUM/DRYER (CONTINUED)	
TRUNNIONS (VERIFY EACH TRUNNION)	
TRUNNION A OUTSIDE DIAMETER: _____ Ø WIDTH OF FACE: _____ (INCHES) SHAFT DIAMETER: _____ Ø SHAFT LENGTH: _____ (INCHES) METAL FLAKING/IRREGULAR WEAR? ☐ YES ☐ NO WASHBOARDING? ☐ YES ☐ NO DO SURFACES NEED GRINDING? ☐ YES ☐ NO	TRUNNION C OUTSIDE DIAMETER: _____ Ø WIDTH OF FACE: _____ (INCHES) SHAFT DIAMETER: _____ Ø SHAFT LENGTH: _____ (INCHES) METAL FLAKING/IRREGULAR WEAR? ☐ YES ☐ NO WASHBOARDING? ☐ YES ☐ NO DO SURFACES NEED GRINDING? ☐ YES ☐ NO
TRUNNION B OUTSIDE DIAMETER: _____ Ø WIDTH OF FACE: _____ (INCHES) SHAFT DIAMETER: _____ Ø SHAFT LENGTH: _____ (INCHES) METAL FLAKING/IRREGULAR WEAR? ☐ YES ☐ NO WASHBOARDING? ☐ YES ☐ NO DO SURFACES NEED GRINDING? ☐ YES ☐ NO	TRUNNION D OUTSIDE DIAMETER: _____ Ø WIDTH OF FACE: _____ (INCHES) SHAFT DIAMETER: _____ Ø SHAFT LENGTH: _____ (INCHES) METAL FLAKING/IRREGULAR WEAR? ☐ YES ☐ NO WASHBOARDING? ☐ YES ☐ NO DO SURFACES NEED GRINDING? ☐ YES ☐ NO
TRUNNION BEARINGS	CIRCUMFERENTIAL SPROCKET/GEAR
OVERALL CONDITION OF BEARINGS: ☐ EXCELLENT ☐ FAIR ☐ REPLACE PERCENTAGE OF WEAR LIFE REMAINING: _____ % EXAMINE SEALS IN BEARINGS: ☐ EXCELLENT ☐ FAIR ☐ REPLACE	VIBRATION READING: _____ PERCENTAGE OF WEAR LIFE REMAINING: _____ % OVERALL CONDITION OF SPROCKET: ☐ EXCELLENT ☐ FAIR ☐ REPLACE OVERALL CONDITION OF DRIVE CHAIN: ☐ EXCELLENT ☐ FAIR ☐ REPLACE SPROCKET/GEAR TOOTH PROFILE: _____
TIRES	
UPHILL TIRE: SMOOTH SURFACE? ☐ YES ☐ NO TIRES NEED GRINDING? ☐ YES ☐ NO GAP BETWEEN I.D. OF TIRE & O.D. SHELL _____ INCHES THICKNESS OF TIRE _____ INCHES OVERALL CONDITION OF TIRE: ☐ EXCELLENT ☐ FAIR ☐ REPLACE	DOWNHILL TIRE: SMOOTH SURFACE? ☐ YES ☐ NO TIRES NEED GRINDING? ☐ YES ☐ NO GAP BETWEEN I.D. OF TIRE & O.D. SHELL _____ INCHES THICKNESS OF TIRE _____ INCHES OVERALL CONDITION OF TIRE: ☐ EXCELLENT ☐ FAIR ☐ REPLACE



STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ___ / ___ / ___ INSPECTION PERFORMED BY: _____

DRUM/DRYER (CONTINUED)

DRIVE UNIT (MOTOR/REDUCER)	SEALS
VIBRATION READING: _____	BURNER END SEAL PERCENTAGE OF SEAL MADE: _____ %
TEMPERATURE READING: _____ ° F	OPPOSITE END SEAL PERCENTAGE OF SEAL MADE: _____ %
OIL ANALYSIS: _____	RAP HOUSING SEAL PERCENTAGE OF SEAL MADE: _____ %
OVERALL CONDITION OF MOTOR/REDUCER: ☐ EXCELLENT ☐ FAIR ☐ REPLACE	
ARE ALL BELTS PROPERLY TENSIONED? ☐ YES ☐ NO	

SHELL TEMPERATURE

TAKE SHELL TEMPERATURE READINGS EVERY 5'-0" OF DRUM/DRYER LENGTH
CHART THESE TEMPERATURES AND COMPARE TO PRIOR PERIOD

0'-0" _____ ° F	5'-0" _____ ° F	10'-0" _____ ° F	15'-0" _____ ° F	20'-0" _____ ° F
25'-0" _____ ° F	30'-0" _____ ° F	35'-0" _____ ° F	40'-0" _____ ° F	45'-0" _____ ° F
50'-0" _____ ° F	55'-0" _____ ° F	60'-0" _____ ° F	65'-0" _____ ° F	70'-0" _____ ° F

BURNER

COMBUSTION ANALYSIS: _____	HIGH FIRE CHECK: _____
O2 READING: _____	PILOT LIGHT VERIFICATION: _____
CO READING: _____	FLAME EYE REPLACEMENT: _____
NOx READING: _____	BLOWER MOTOR CONFIRMATION: _____
LOW FIRE CHECK: _____	GALLONS PER TON MEASURED: _____ @ _____ % MOISTURE

BAGHOUSE SYSTEM

BAGHOUSE	MAIN EXHAUST FAN
AIR FLOW ANALYSIS: _____	CHECK FOR VIBRATION: ☐ YES ☐ NO
FLUORESCENT POWDER TEST:	OVERALL CONDITION OF BEARINGS ON FAN: ☐ EXCELLENT ☐ FAIR ☐ REPLACE
BAG LEAK IDENTIFICATION: _____	FAN TEMPERATURE READING: _____ ° F
WELD SEAM LEAK IDENTIFICATION: _____	CHECK FOR CONTROL OF EXHAUST FAN ☐ DAMPER ☐ VFD (VARIABLE FREQUENCY DRIVE)
TUBE SHEET THICKNESS MEASUREMENT: _____ (INCHES)	
PULSING VALVES OR REVERE FAN INDIVIDUAL VERIFICATION: _____	
SCREW CONVEYOR AUGER AND BEARING CHECK: _____	
TEMPERATURES: INLET _____ ° F OUTLET _____ ° F	

STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ___ / ___ / ___ INSPECTION PERFORMED BY: _____

BAGHOUSE SYSTEM (CONTINUED)

PRIMARY COLLECTOR

TEST WALL THICKNESS: _____ (INCHES) CYCLONE: _____ BAFFLE PLATE: _____ VANE FEEDER CHECK: _____ OVERALL CONDITION OF DOOR SEALS: ☐ EXCELLENT ☐ FAIR ☐ REPLACE OVERALL CONDITION OF MOTOR: ☐ EXCELLENT ☐ FAIR ☐ REPLACE OVERALL CONDITION OF AUGER: ☐ EXCELLENT ☐ FAIR ☐ REPLACE	TIPPER VALVE CHECK: _____ INLET TEMPERATURE TO PRIMARY READING: _____ ° F OUTLET TEMPERATURE TO BAGHOUSE READING: _____ ° F OVERALL CONDITION OF DUST RETURN AUGER: ☐ EXCELLENT ☐ FAIR ☐ REPLACE OVERALL CONDITION OF SHEAVES: ☐ EXCELLENT ☐ FAIR ☐ REPLACE OVERALL CONDITION OF BELTS: ☐ EXCELLENT ☐ FAIR ☐ REPLACE ARE ALL BELTS PROPERLY TENSIONED? ☐ YES ☐ NO
---	---

HOT OIL HEATER

BURNER CHECK AND READING

O2 READING: _____ CO READING: _____ NOx READING: _____ HIGH/LOW LIMIT VERIFICATION: _____	HIGH LEVEL NOTIFICATION: _____ TESTING CIRCULATORY OIL: _____ STACK TEMPERATURE READING AT HIGH FIRE: _____ ° F
--	---

ELECTRONIC CONTROLS

BELT SCALE CALIBRATION

WHAT FREQUENCY IS BELT SCALE CALIBRATED? _____ ARE TEST WEIGHTS AVAILABLE FOR BELT SCALE? ☐ YES ☐ NO DOES PLANT INTERLOCK SHUTDOWN OF EXCESS CONDITIONS? ☐ YES ☐ NO LIQUID AC METERING: _____ FREQUENCY OF AC PUMP CALIBRATION: _____ HAVE THERMOCOUPLES BEEN CALIBRATED? ☐ YES ☐ NO DATE CALIBRATED: _____ STARTUP WASTE (# OF TONS): _____ TONS DUST/FINES WEIGHT VERIFICATION: _____		RAP SCALE CALIBRATION: _____ RAP SCALE TEST WEIGHTS: ☐ YES ☐ NO SEQUENTIAL START/STOP: _____ SYSTEM START/STOP: _____ SHUT DOWN WASTE (# OF TONS): _____ TONS
---	--	---

STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ____ / ____ / ____ INSPECTION PERFORMED BY: _____

COLD FEED

COLD FEED BINS

BIN WEAR

THICKNESS TESTED - DATE AND AT MULTIPLE POINTS: _____

FEEDER SKIRTING: _____

NO FLOWS OPERATING PROPERLY: ☐ YES ☐ NO

AIR CANNONS OPERATING PROPERLY? ☐ YES ☐ NO

TAIL SHAFT TACHOMETER OPERATING? ☐ YES ☐ NO

BIN VIBRATORS OPERATING PROPERLY? ☐ YES ☐ NO

REDUCER/MOTOR - CHECK EACH FEEDER AND COLLECTING CONVEYOR: _____

BELT SHEAVES OR CHAIN DRIVES:

OVERALL CONDITION OF BELTS/CHAINS:

☐ BELT DRIVE

☐ CHAIN DRIVE

☐ EXCELLENT

☐ FAIR

☐ REPLACE

RAP OR RAS FEED

RAP/RAS FEED BINS

BIN WEAR

THICKNESS TESTED - DATE AND AT MULTIPLE POINTS: _____

FEEDER SKIRTING: _____

NO FLOWS OPERATING PROPERLY: ☐ YES ☐ NO

AIR CANNONS OPERATING PROPERLY? ☐ YES ☐ NO

TAIL SHAFT TACHOMETER OPERATING? ☐ YES ☐ NO

BIN VIBRATORS OPERATING PROPERLY? ☐ YES ☐ NO

REDUCER/MOTOR - CHECK EACH FEEDER AND COLLECTING CONVEYOR: _____

BELT SHEAVES OR CHAIN DRIVES:

OVERALL CONDITION OF BELTS/CHAINS:

☐ BELT DRIVE

☐ CHAIN DRIVE

☐ EXCELLENT

☐ FAIR

☐ REPLACE

SCREENING OPERATIONS

SCREENING OPERATIONS

FEED POINTS ENTERED: _____

HOPPER THICKNESS ON SCREEN: _____

SCREEN CLOTH IN TACT? ☐ YES ☐ NO

DECK SELECTOR OPERABLE? ☐ YES ☐ NO

ECCENTRICS ON SCREEN OPERATING PROPERLY?

☐ YES ☐ NO



STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ____ / ____ / ____ INSPECTION PERFORMED BY: _____

BELT CONVEYORS

BELT CONVEYORS

IDLER CHECK: _____

FEED VERIFICATION: _____

BELT SCALE CALIBRATED? ☐ YES ☐ NO

BELTING MATERIAL AND SPLICE VERIFICATION: _____

OVERALL CONDITION OF BELTS/SHEAVES:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

ARE ALL BELTS PROPERLY TENSIONED? ☐ YES ☐ NO

OVERALL CONDITION OF REDUCER:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

OVERALL CONDITION OF MOTOR:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

AC TANKS

UNLOADING PUMPS

CONDITION OF UNLOADING PUMP(S):

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF VALVES:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF DRIVE COMPONENTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CHECK CONDITION OF TANK HEATING SYSTEM:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF THERMOCOUPLE:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF TANK VENTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

UNLOADING PUMPS

CONDITION OF UNLOADING PUMP(S):

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF VALVES:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF DRIVE COMPONENTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CHECK CONDITION OF TANK HEATING SYSTEM:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF THERMOCOUPLE:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF TANK VENTS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

SILOS

SILO INSPECTION

SHELL THICKNESS CHECK: _____

CONDITION OF SHELL:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONE THICKNESS CHECK: _____

CONDITION OF CONE:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONE LINER THICKNESS CHECK: _____

CONDITION OF CONE LINERS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CHECK CONE HEAT PROFILE: ☐ YES ☐ NO

CONDITION OF BATCHER LINER:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF BATCHER GATE & OPERATION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF SILO GATE & OPERATION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF SAFETY GATE & OPERATION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CONDITION OF CYLINDER & OPERATION:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

CHECK AIR SYSTEM: ☐ YES ☐ NO

STANSTEEL/HOTMIX PARTS COMPREHENSIVE INSPECTION ASPHALT PLANT CHECKLIST

DATE: ____ / ____ / ____ INSPECTION PERFORMED BY: _____

BELT CONVEYORS

BELT CONVEYORS

IDLER CHECK: _____

FEED VERIFICATION: _____

BELT SCALE CALIBRATED? ☐ YES ☐ NO

BELTING MATERIAL AND SPLICE VERIFICATION: _____

GENERAL OVERALL PLANT REVIEW

SAFETY INSPECTION OF GUARDING AND TAGS

CONDITION OF SAFETY DECALS/WARNING PLATES:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

ARE ALL BEARINGS LUBRICATED? ☐ YES ☐ NO

HAVE ALL AIR/HYDRAULIC CYLINDERS
BEEN INSPECTED? ☐ YES ☐ NO

CONDITION OF SAFETY GUARDS:

☐ EXCELLENT ☐ FAIR ☐ REPLACE

ARE ALL GUARDS INSTALLED? ☐ YES ☐ NO

HAVE ALL FILTERS, REGULATORS, LUBRICATORS
BEEN INSPECTED? ☐ YES ☐ NO

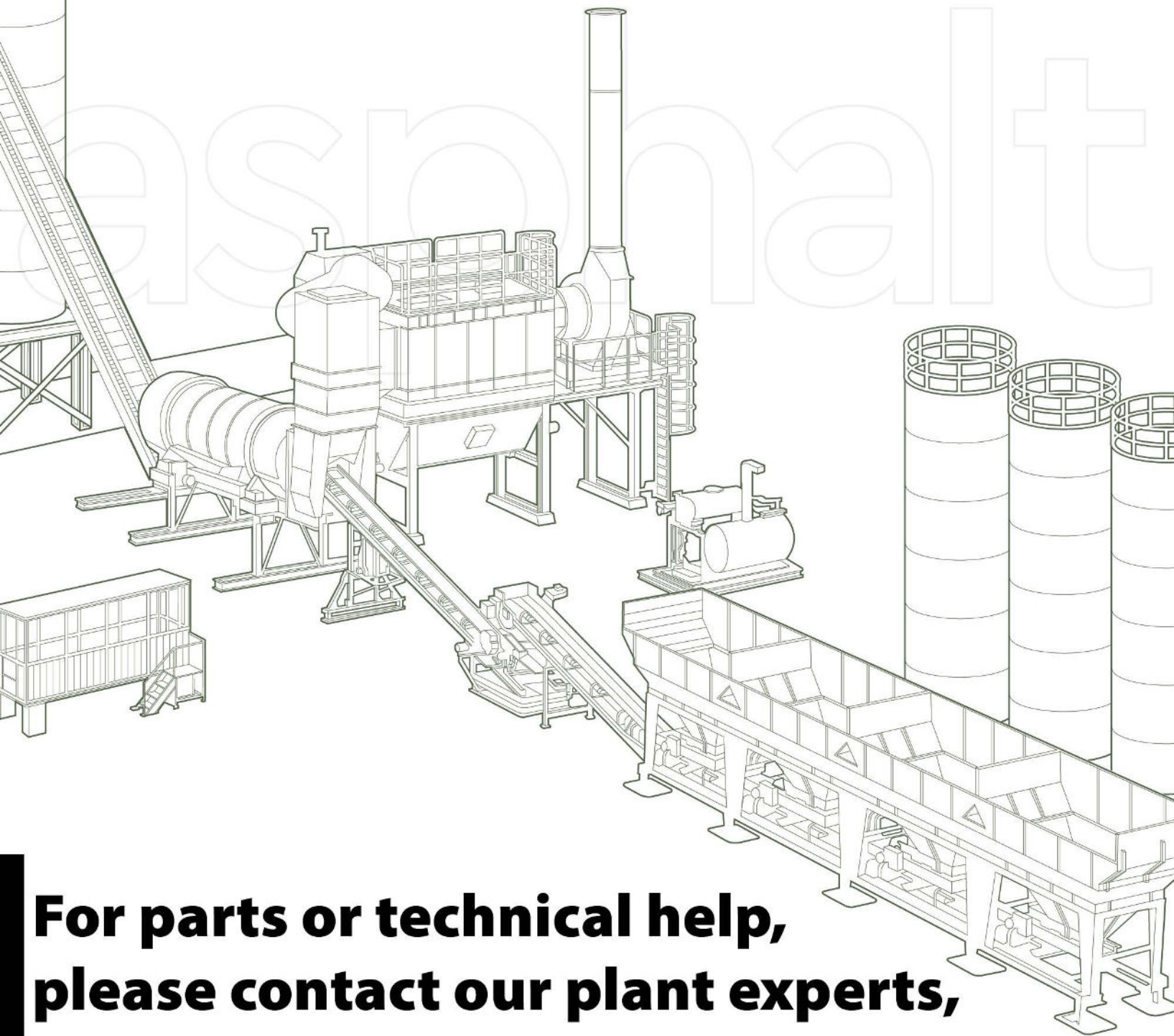
ADDITIONAL FIELD NOTES

THE asphalt

PLANT INSPECTION CHECKLIST

[illegible]

Anything for an Asphalt Plant.



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please contact our plant experts,
available to assist you 24/7.**

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