TABLE 1: ACTION PLAN FOR USEPA PNC ITEMS & AOCS
(September 2020 Revisions Highlighted in Yellow)

USEPA Ref. No.	NJDEP Cross Ref.	PNC/AOC Summary	Action Taken/Planned	Action Status
II. A. Line No. 2, Outfall 001		AOC: Oil and Grease (O&G) samples must be collected directly into sample container.	Operator O&G sample collection refresher training.	Completed
II. A. Line No. 3, Outfall 005	Att. 1, Def. 1 & NOV Actions 1 & 2; Att. 2 Def. 5 & 11	PNC A., B. & C: Polypropylene Pellet Control. Improve plastic residual containment.	Removed separator air system. Installed cover over separator outlet. Removed buildup on separator walls. N licensed operator oversight started. Updated pellet separator O&M Manual to NJDEP for review. Trial cover for in-use roll-off loading. Purchased manual vacuum. Reviewed rerouting separator to process sewer (not recommended). Evaluated baghouse exhaust area screens. Install trial separator outlet screen	Completed Completed Completed Completed Completed Completed Completed Completed Completed 4Q20
II. A. Line No. 3, Outfall 005		Comment e.: Open container with waste material should be covered.	Container was removed.	Completed
II. A. Line No. 4, Outfall 004	Att. 1, Def. 2	Finding/AOC: BMPs required for collection and removal of material at Outfall 004 during and after Clam-Trol application	Added BMPs to SPP Plan and revised contractor procedure for planning biocide application to include vacuum truck needs.	Completed
II.B.1.		Finding/AOC: Provide status of API Separators.	Planned work completed & API separator facilities back in service.	Completed
II.B.2.	Att. 1, Def. 3. a.	Finding/AOC: Provide status of Tank 132 and 133 dike valve. Clean/remove oil in tank dike.	Containment valve installation ongoing. Containment area was cleaned	3Q20 Target (6). Completed
II.B.3.a.		Finding/AOC: Array of temporary pipes for RAS and Bi-Ox lagoons.	Most temporary equipment has been removed; some may remain as temporary backup.	3Q20 Target (6).
II.B.3.b.		Finding/AOC: Eroded section of lagoon berm must be stabilized. Install permanent RAS lines.	Eroded bank section addressed. Existing RAS pipe is intact & in use.	Completed Completed
II.B.3.c.		Finding/AOC: Bi-Ox foam & floating solids build-up.	Existing foam/scum control facilities are in use. No further action planned.	Completed
II.B.3.d.		Finding/AOC: Explain status of new RAS pumps.	New pumps in service.	Completed
II.B.3.e.		Finding/AOC: East Bi-Ox DO (dissolved oxygen) probe read 0.0.	DO probe was addressed & returned to service with reliability improved.	Completed
II.B.3.f.		Finding/AOC: Explain status of aerator upgrades.	4 new submersible mixers in service.	Completed
II.B.4.a.		Finding/AOC: Replace missing Clarifier No. 1 weir plate.	Plate installed across weir opening until permanent repair during next clarifier turnaround.	Completed
II.B.4.b.		Finding/AOC: Explain status of clarifiers.	Planned work completed and all 3 clarifiers are in service.	Completed
II.B.5.a.		Finding/AOC: Explain status of tertiary filters.	All filters returned to service in 2019. Another filter removed from service in 2020 for planned maintenance.	Completed
II.B.5.b.		Finding/AOC: Broken water line puddling outside filter building.	Broken line repaired by water company in 2019.	Completed
II.B.5.c.		Finding/AOC: Provide status of	Butterfly valves working well;	Completed

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		filter gate valve replacement.	replacing gate valves as needed.	
II.B.6.		Finding/AOC: Unstabilized soils along onsite reservoir.	NJDEP Land Use Permit received allowing stone cover restoration along onsite reservoir	4Q20
II.B.7.a.	Att. 1, Def. 2.	Finding/AOC: Require BMPs for collection and removal of material during & after biocide use.	Added BMPs to SPP Plan & revised biocide application planning procedure to include vacuum trucks.	Completed
II.B.7.b.		Finding/AOC: Influent oil and grease (O&G) sampling.	Operator O&G sample collection refresher training.	Completed
II.B.7.c.		Finding/AOC: Confirm status of CWA Section 316(b) compliance.	Confirmed CWA Section 316(b) to be addressed during permit renewal.	Completed
II.B.7.d.		Finding/AOC: Verify BPC 68940 & Clam-Trol are similar.	Water treatment contractor verified BPC 68940 & Clam-Trol are similar.	Completed
II.B.7.e.		Finding/AOC: Dispose of debris in open container outside Salt Water Pump Station.	Parts stored on pallet outside Salt Water Pump Station were removed & debris disposed of properly.	Completed
II.B.8.a.	Att. 1, Def. 2	Finding/AOC: Control ISOM Unit sewer overflow.	Sewer foam-over due to biocide application addressed at USEPA Ref. Nos. II.A. Line No. 4 & II.B.7.a. Designed sewer box upgrade to be installed to contain foam.	Completed 4Q20 Target (6)
II.B.8.b.	Att. 1, Def. 3. d.	Finding/AOC: Infineum process sewers must be controlled to avoid overflows.	Explained pump location & function; advised plans to install permanent pump to control ponding in culvert.	4Q20 Target (6)
II.B.8.c.		Finding/AOC: Verify source of flow entering area near diesel pump.	Source was confirmed to be continuing runoff from rain.	Completed
II.B.9.a., b., g., h., i. & j.		Finding/AOC: 40 CFR 136 method not used to analyze the following: • Hexavalent chromium • Mercury • Bis(2-ethylhexyl)phthalate • Semi-volatiles (SVOCs) • Pesticides • Mirex	All samples as of March have been analyzed using 40 CFR 136 methods by a NJDEP certified lab. First SVOC & Bis (2-ethylhexyl) phthalate samples were analyzed in April. First pesticides & Mirex samples were analyzed in July.	Completed
II.B.9.b.		Finding/AOC: Chain of custody did not list preservative for Outfall 003, 004 & 005 mercury samples.	Chain of custody updated to show preservative used for mercury samples.	Completed
II.B.9.c.		Finding/AOC: Chain of custody for BOD did not note cooling samples to </= 6 C.	Chain of custody updated to show cooling to </= 6 C for all samples transferred to contracted laboratory.	Completed
II.B.9.d.		Finding/AOC: Laboratory should evaluate need to dilute metals samples.	Laboratory confirmed dilution of non-potable water samples is SOP to reduce matrix interference.	Completed
II.B.9.e.		Finding/AOC: Exclude from calculations data from analysis that exceeded sample hold time.	Per USEPA comment, future calculations may exclude sample results exceeding hold time.	Completed
II.B.9.f.		Finding/AOC: August 2018 Outfall 002 total lead concentration appeared to be incorrect.	Data entry error confirmed and corrected with submission of corrected August 2018 DMR.	Completed
II.B.9.k.		Finding/AOC: Explain methodology for determining stormwater flow, including dates when there is no rainfall.	Explained that NJDEP approved stormwater calculation method can have stormwater flow through WWTP from retention tanks after rain ends.	Completed
II.B.16.a.		Finding/AOC: Explain initial sample relinquished date on internal chain of custody.	Explained initial date is sample container preparation date; revised chain of custody wording for clarity.	Completed
II.B.16.b.		Finding/AOC: Outfall 002 chain of custody missing composite refrigerator temperature.	Operator refresher training covered including composite refrigerator temperature on chain of custody.	Completed

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II.C.10.		Observation: East Side Retention Basin listed in NJ0001511 Part IV.G.4 is no longer used.	Corrected to indicate East Retention Basin, and not East Side Retention Basin, was removed from service.	Completed
III. A. Line No. 1, Outfall 006A	Att. 2, Def. 8	AOC: Need to sweep roadside of accumulated sediment.	Street sweeping more frequently than required by permit. Proposed possible 1 year haybale trial to NJDEP for data collection.	Completed Awaiting Response.
III. A. Line No. 2, Outfall 011A		AOC: Need to clean debris and litter on catch basin grate.	Initiated monthly debris removal from catch basins along tree lined portion of Brunswick Avenue.	Completed
III. A. Line No. 3, Outfall 017A	Att. 2, Def. 6 & 11	AOC: Valve wheel on one of two discharge valves is detached.	Valve wheel replaced.	Completed
III. A. Line No. 4, Outfall 018A		AOC: Outfall identified as 015 and not 018 on sign.	015 corrected to 018 on sign.	Completed
III. A. Line No. 5, Outfall 010A	Att. 2, Def. 3 & 11 Att. 3, Def. 1 & 2	PNC: BMPs for operation and maintenance of Tremley Separator are required. Operators should be trained to identify oil in outlet box & basin. Initiate outlet monitoring per NJDEP request.	Increased basin skimming & set weekly outlet absorbent management. Operator inspection refresher training. Oil skimmer use in basin ongoing to be followed by hot water washing stained banks & walls. Quarterly monitoring outlet since Jan. 2020.	Completed. Completed 3Q20 Target (6). Completed
III. A. Line No. 8, Outfall 009A		AOC: Need protocol to sample during high tide.	Revised sampling procedure to address high tide conditions.	Completed
III. B.1.	Att. 2, Def. 1, 2, 5 & 11	PNC: Use BMPs for proper waste management in Tank 519 Waste Management Area.	Updated site SPP Plan roll-off BMPs. Reviewed waste management BMPs with contractors & others covered by permit. Cleaned up spilled material. Improved weekly waste management area inspections & documentation. Removed damaged roll-offs and replaced damaged/missing tarps. Removed abrasives, resin & bins. See also response to USEPA Ref. No. II. A. Line No. 3, Outfall 005.	Completed
III. C.1.		AOC: NJPDES NJ0026671 expired and has not been renewed.	Permit remains in effect while NJDEP works draft permit. NJDEP initiated renewal process with site visits by permit writers.	NJDEP action item.
III. C. 2. a.		AOC: Unstabilized soils at rail car unloading area.	Identified areas were stabilized with stone cover.	Completed
III. C. 2. b.	Att. 2, Def. 4	AOC: Manhole in rail car unloading area overflowed.	Raised manhole to prevent overflow.	Completed
III. C. 3.		AOC: Outfall 018A sign says 015A. Separator valves open. Verify inspection frequency of separator(s).	015A changed to 018 A; see also response to USEPA Ref. No. III. A. Line No. 4, Outfall 018A. Explained separator operation & operator inspection frequency.	Completed
III. C. 4.	Att. 2, Def. 9	AOC: Containment for totes was fallen down.	Operator responsibility refresher training planned.	Completed

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III. C. 5.		AOC: Water puddled outside hazardous waste containment pad.	Containment pad and valves confirmed to be intact.	Completed
III. C. 6.		AOC: Open waste dumpster in Exxon storage area.	ExxonMobil updated roll-off management procedures per Bayway response to USEPA Ref. No. III. B. 1.	Completed
III. C. 7.		AOC: Explain whether eroded Exxon RCRA area has been stabilized.	ExxonMobil completed grading, stabilization & seeding in these permitted project areas.	Completed
III. C. 8.	Att. 2, Def. 6 & 11	AOC: Inquiry as to refinery containment valve maintenance program.	Explained refinery containment valve operation & maintenance procedures.	Completed
III. C. 9.	Att. 2, CEI Checklist Item on Page 6 of 11	AOC: Uncovered excess soil pile at Linden truck terminal. Verify loading rack is routinely inspected and which outfall receives separator flow.	Excess soil pile removed. Added road maintenance BMP to SPP Plan. Explained loading rack inspection, operation & discharge location	Completed
III. C. 10.	Att. 1, Def. 3. d.	AOC: Report status of Greater Elizabeth Tankfield culvert pump.	Permanent pump planned to be installed per Bayway response to USEPA Ref. No. II. B. 8. b.	4Q20 Target (6)

Table 1 Notes:

1) PNC: Potential Non-Compliance Item
2) AOC: Area of Concern
3) USEPA Ref. No.: USEPA inspection report numbering system.
4) NJDEP Cross Ref.: Cross reference to Bayway responses to similar items in NJDEP NJPDES inspection reports.
5) Observations included in the inspection report did not require a documented response or action per USEPA transmittal letter.
6) Any schedule included in the Action Status for an ongoing or planned action is based on normal operations within Bayway's control, except that some delays from planned dates previously communicated in responses to NJDEP inspection reports have already been identified due to reductions in onsite manning made in accordance with NJ Governor Phil Murphy's Executive Order No. 107, which requires essential businesses remaining open during the coronavirus pandemic to "make best efforts to reduce staff on site to the minimal number necessary to ensure that essential operations can continue".