



U.S. Department of Energy
~~Office of River Protection~~

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

0074233

OCT 25 2007

07-ESQ-189

Ms. Jane A. Hedges, Program Manager
Nuclear Waste Program
Washington State
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99354

RECEIVED
OCT 29 2007

EDMC

Dear Ms. Hedges:

SUBMITTAL OF HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT MODIFICATION NOTIFICATION FORM 24590-PTF-PCN-ENV-07-001

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10, 'Waste Treatment and Immobilization Plant.'"

This letter submits Hanford Facility RCRA Permit Modification Notification Form 24590-PTF-PCN-ENV-07-001. The form describes a requested Class 1 modification to the Reference requiring approval from the Washington State Department of Ecology (Ecology).

Modification Notification Form 24590-PTF-PCN-ENV-07-001 updates the Pretreatment Facility General Arrangement Plan for the 56 ft. 0 in. elevation found in Appendix 8.4 of the Reference.

Ecology was provided an opportunity to review the modification notification form and the associated information and comments were dispositioned.

If you have any questions, please contact me, or your staff may contact Gae M. Neath, Office of Environmental Safety and Quality, (509) 376-7828.

Sincerely,

Shirley J. Olinger, Acting Manager
Office of River Protection

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EDMC

ESQ:GMN

Attachment

cc: See page 2

Ms. Jane A. Hedges
07-ESQ-189

-2-

OCT 25 2007

cc w/attach:

Administrative Record
BNI Correspondence
Environmental Portal, LMSI

cc electronic:

J. Brown, BNI
W. S. Elkins, BNI
B. G. Erlandson, BNI
P. A. Fisher, BNI
J. S. Hill, BNI
S. Murdock, BNI
P. Peistrup, BNI
B. Becker-Khaleel, Ecology (1 hard copy)
R. K. Biyani, Ecology
E. A. Fredenburg, Ecology
B. Speer, Ecology
S. A. Thompson, FHI
A. C. McKarns, RL
D. J. Sommer, SCS

cc w/o attach:

D. A. Klein, BNI
J. Cox, CTUIR
S. Harris, CTUIR
S. L. Dahl, Ecology
G. P. Davis, Ecology
G. Bohnee, NPT
K. Niles, Oregon Energy
R. Jim, YN

Attachment
07-ESQ-189

Hanford Facility RCRA Permit Modification Notification
Form 24590-PTF-PCN-ENV-07-001

Quarter Ending December 31,
2007

24590-PTF-PCN-ENV-07-001

Hanford Facility RCRA Permit Modification Notification Form
Part III, Operating Unit 10
Waste Treatment and Immobilization Plant

Index

Page 2 of 3: Hanford Facility RCRA Permit, Part III, Operating Unit 10, Waste Treatment and Immobilization Plant
Update Pretreatment Facility General Arrangement Plan for the 56'-0" elevation as well as applicable sections
in Appendix 8.4 of the Dangerous Waste Permit.

Submitted by Co-Operator:

D.A. Klein
D. A. Klein

10/31/07
Date

Reviewed by ORP Program Office:

S. J. Olinger
S. J. Olinger

10/25/07
Date

Quarter Ending December 31,
2007

24590-PTF-PCN-ENV-07-001

Hanford Facility RCRA Permit Modification Notification Form														
Unit: Waste Treatment and Immobilization Plant	Permit Part & Chapter: Part III, Operating Unit 10													
<p><u>Description of Modification:</u> The purpose of this Class 1 Prime modification is to update the Pretreatment Facility General Arrangement Plan for the 56'-0" elevation and applicable sections in Appendix 8.4 of the Dangerous Waste Permit. The following General Arrangement Drawing is submitted to replace the "permit" General Arrangement Drawing currently in Appendix 8.4.</p>														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="5" style="padding: 2px;">Appendix 8.4</td> </tr> <tr> <td style="width: 15%; padding: 2px;">Replace:</td> <td style="width: 35%; padding: 2px;">24590-PTF-P1-P01T-P0003, Rev. 0</td> <td style="width: 15%; padding: 2px;">With:</td> <td colspan="2" style="width: 35%; padding: 2px;">24590-PTF-P1-P01T-00003, Rev. 3</td> </tr> </table>					Appendix 8.4					Replace:	24590-PTF-P1-P01T-P0003, Rev. 0	With:	24590-PTF-P1-P01T-00003, Rev. 3	
Appendix 8.4														
Replace:	24590-PTF-P1-P01T-P0003, Rev. 0	With:	24590-PTF-P1-P01T-00003, Rev. 3											
<p>This modification requests Ecology approval of the specific changes to the General Arrangement Drawing that are identified by notes, clouds, and revision triangles shown on the General Arrangement Drawing that has been issued since the last revision of the permit version. Revisions are the result of ongoing design. The following identifies the significant types of changes on the attached drawing:</p> <ul style="list-style-type: none"> • Updated configuration of components • Added and removed holds • Deleted HEPA Compactor (PFH-CPT-00001) • Deleted bulge (CXP-BULGE-00005) • Added breakpots (UFP-BRKPT-1A/1B) • Added FEP-SKID-00001A/B to room P-0304 														
<p>The following are outstanding change documents that have not been incorporated into this modification:</p> <ul style="list-style-type: none"> • 24590-PTF-P1N-P23T-00044 • 24590-PTF-P1N-P01T-00101 														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 45%; padding: 2px;">WAC 173-303-830 Modification Class: ^{1 2}</td> <td style="width: 10%; padding: 2px;">Class 1</td> <td style="width: 10%; padding: 2px;">Class ¹1</td> <td style="width: 15%; padding: 2px;">Class 2</td> <td style="width: 20%; padding: 2px;">Class 3</td> </tr> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="padding: 2px;"></td> <td style="text-align: center; padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table>					WAC 173-303-830 Modification Class: ^{1 2}	Class 1	Class ¹ 1	Class 2	Class 3	Please mark the Modification Class:		X		
WAC 173-303-830 Modification Class: ^{1 2}	Class 1	Class ¹ 1	Class 2	Class 3										
Please mark the Modification Class:		X												
<p>Enter Relevant WAC 173-303-830, Appendix I Modification citation number: NA</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p>In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."</p>														

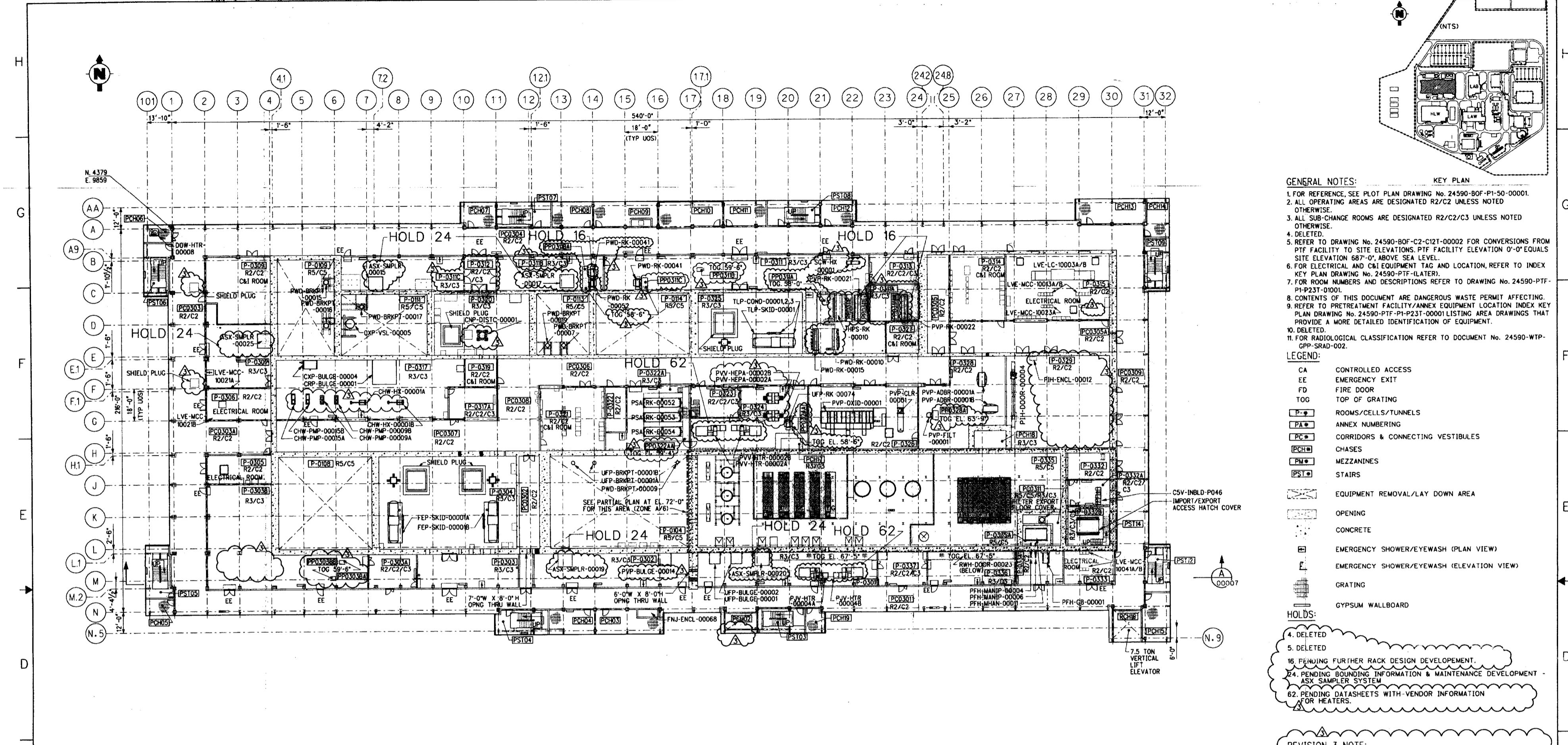
¹ Class 1 modifications requiring prior Agency approval.

² If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class '1, if applicable.

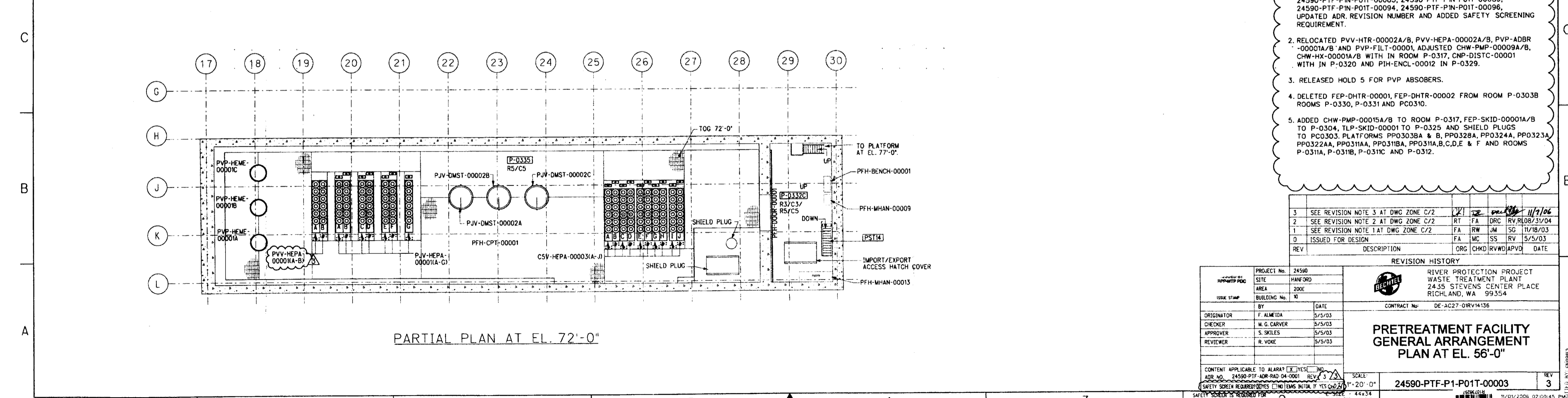
Quarter Ending December 31,
2007

24590-PTF-PCN-ENV-07-001

Modification Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)	Reviewed by Ecology:	
<u>Reason for denial:</u>	B. Becker-Khaleel	Date



PLAN AT EL. 56'-0"



PARTIAL PLAN AT EL. 72'-0"

- GENERAL NOTES:**
- FOR REFERENCE, SEE PLOT PLAN DRAWING No. 24590-80F-P1-50-00001.
 - ALL OPERATING AREAS ARE DESIGNATED R2/C2 UNLESS NOTED OTHERWISE.
 - ALL SUB-CHANGE ROOMS ARE DESIGNATED R2/C2/C3 UNLESS NOTED OTHERWISE.
 - DELETED.
 - REFER TO DRAWING No. 24590-80F-C2-C121-00002 FOR CONVERSIONS FROM PTF FACILITY TO SITE ELEVATIONS. PTF FACILITY ELEVATION 0'-0" EQUALS SITE ELEVATION 68'-0", ABOVE SEA LEVEL.
 - FOR ELECTRICAL AND C&I EQUIPMENT TAG AND LOCATION, REFER TO INDEX KEY PLAN DRAWING No. 24590-PTF-(LATER).
 - FOR ROOM NUMBERS AND DESCRIPTIONS REFER TO DRAWING No. 24590-PTF-P1-P23T-01001.
 - CONTENTS OF THIS DOCUMENT ARE DANGEROUS WASTE PERMIT AFFECTING.
 - REFER TO PRETREATMENT FACILITY/ANNEX EQUIPMENT LOCATION INDEX KEY PLAN DRAWING No. 24590-PTF-P1-P23T-00001 LISTING AREA DRAWINGS THAT PROVIDE A MORE DETAILED IDENTIFICATION OF EQUIPMENT.
 - DELETED.
 - FOR RADIOLOGICAL CLASSIFICATION REFER TO DOCUMENT No. 24590-WTP-CPP-SRAD-002.
- LEGEND:**
- CA CONTROLLED ACCESS
 - EE EMERGENCY EXIT
 - FD FIRE DOOR
 - TOG TOP OF GRATING
 - P-# ROOMS/CELLS/TUNNELS
 - PA-# ANNEX NUMBERING
 - PC-# CORRIDORS & CONNECTING VESTIBULES
 - PCH-# CHASES
 - PM-# MEZZANINES
 - PST-# STAIRS
 - EQUIPMENT REMOVAL/LAY DOWN AREA
 - OPENING
 - CONCRETE
 - EMERGENCY SHOWER/EYEWASH (PLAN VIEW)
 - EMERGENCY SHOWER/EYEWASH (ELEVATION VIEW)
 - GRATING
 - GYPSUM WALLBOARD
- HOLDS:**
- 4. DELETED
 - 5. DELETED
 - 16. PENDING FURTHER RACK DESIGN DEVELOPMENT.
 - 24. PENDING BOUNDING INFORMATION & MAINTENANCE DEVELOPMENT - ASX SAMPLER SYSTEM
 - 62. PENDING DATASHEETS WITH-VENDOR INFORMATION FOR HEATERS.

- REVISION 3 NOTE:**
- INCORPORATED 24590-PTF-P2N-P63T-00019, 24590-PTF-PIN-POIT-00080, 24590-PTF-PIN-POIT-00082, 24590-PTF-PIN-POIT-00085, 24590-PTF-PIN-POIT-00089, 24590-PTF-PIN-POIT-00094, 24590-PTF-PIN-POIT-00096, UPDATED ADR REVISION NUMBER AND ADDED SAFETY SCREENING REQUIREMENT.
 - RELOCATED PVP-HTR-00002A/B, PVP-HEPA-00002A/B, PVP-ADBR-00001A/B AND PVP-FILT-00001, ADJUSTED CHW-PMP-00009A/B, CHW-HX-00001A/B WITH IN ROOM P-0317, CNP-DISTC-00001 WITH IN P-0320 AND PIH-ENCL-00012 IN P-0329.
 - RELEASED HOLD 5 FOR PVP ABSORBERS.
 - DELETED FEP-DHTR-00001, FEP-DHTR-00002 FROM ROOM P-0303B ROOMS P-0330, P-0331 AND PC0310.
 - ADDED CHW-PMP-00015A/B TO ROOM P-0317, FEP-SKID-00001A/B TO P-0304, TLP-SKID-00001 TO P-0325 AND SHIELD PLUGS TO PC0303, PLATFORMS PP0303BA & B, PP0328A, PP0324A, PP0323A, PP0322AA, PP0311AA, PP0311BA, PP0311CA, PP0311DA, PP0311EA, PP0311FA, PP0311GA, PP0311HA, PP0311IA, PP0311JA, PP0311KA, PP0311LA, PP0311MA, PP0311NA, PP0311OA, PP0311PA, PP0311QA, PP0311RA, PP0311SA, PP0311TA, PP0311UA, PP0311VA, PP0311WA, PP0311XA, PP0311YA, PP0311ZA AND ROOMS P-0311A, P-0311B, P-0311C AND P-0312.

REV	DESCRIPTION	ORG	CHKD	RVWD	APVD	DATE
3	SEE REVISION NOTE 3 AT DWG ZONE C/2					11/11/06
2	SEE REVISION NOTE 2 AT DWG ZONE C/2					11/11/06
1	SEE REVISION NOTE 1 AT DWG ZONE C/2					11/18/03
0	ISSUED FOR DESIGN					5/5/03

PROJECT No.		24590	
SITE NAME		WASTE TREATMENT PLANT	
AREA		2455 STEVENS CENTER PLACE	
BUILDING No.		10	
ISSUE STAMP	DATE	CONTRACT No.	DE-AC27-01RV14136
BY	F. ALMEIDA	5/5/03	
CHECKER	M. G. CARVER	5/5/03	
APPROVER	S. SKILES	5/5/03	
REVIEWER	R. VORKE	5/5/03	

REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ISSUED FOR DESIGN	5/5/03
2	SEE REVISION NOTE 1 AT DWG ZONE C/2	11/18/03
3	SEE REVISION NOTE 3 AT DWG ZONE C/2	11/11/06

PRETREATMENT FACILITY GENERAL ARRANGEMENT PLAN AT EL. 56'-0"

PROJECT No. 24590
 SITE NAME WASTE TREATMENT PLANT
 AREA 2455 STEVENS CENTER PLACE
 BUILDING No. 10
 CONTRACT No. DE-AC27-01RV14136

CONTENT APPLICABLE TO ALL REV. SHEETS UNLESS OTHERWISE NOTED
 ADR NO. 24590-PTF-ADR-RAD-04-0001 REV. 1.1 SCALE 1"=20'-0"
 SAFETY SCREEN REQUIRED FOR DRAWING TYPES IDENTIFIED IN DRAWING TYPING KEY (SEE 24590-PTF-CPP-002)

24590-PTF-P1-P01T-00003