

OMEGA EP Facility Contamination Control Plan

S-AB-P-119 Rev A

GENERAL DESCRIPTION

This document outlines the contamination control requirements and procedures for cleaning the OMEGA EP areas and the associated components within these areas.

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1.0 BEAMLINE STRUCTURES

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.0	Beamline Structures				
1.0.1	LM2 Structure			M	1.0
1.0.2	PEPC Support Structure			M	1.0
1.0.3	Booster Amplifier I-Beam			M	4.0
1.0.4	Booster Amplifier Support Structures (2)			M	4.0
1.0.5	Short Pulse Polarizer Support Structure			M	2.0
1.0.6	Universal Base (south)			M	1.0
1.0.7	TSF End Lens Support Structure (south)			M	4.0
1.0.8	CSF Pinhole Structure			M	5.0
1.0.9	TSF Pinhole/IRDP Support Structure (south)			M	4.0
1.0.10	Universal Base (middle)			M	1.0
1.0.11	IRAT/Injection/IRDP Support Structures			M	4.0
1.0.12	TSF Pinhole Support Structure			M	4.0
1.0.13	TSF Injection Structure			M	4.0
1.0.14	Main Amplifier I-Beam			M	6.0
1.0.15	DM Support Structure, enclosure			M	4.0
1.0.16	TSF End Lens Support Structure (north)			M	4.0
1.0.17	IR switchyard			M	2.0
1.0.18	UVAT			M	4.0
1.0.19	Beam enclosures			M	8.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Laser Bay. This activity is to be performed ONLY with the permission of the Shot Director.

Prerequisite:

Request permission from the Shot Director prior to cleaning any amplifier structure:

- All PCUs in the structure must be safed before any cleaning activity may begin.

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- Check with the Alignment Laser Technician (ALT) to determine if optical components are to be covered prior to starting this procedure.

Required Equipment:

- Cleanroom vacuum
- PROSAT PSPS001 30/70 IPA/DI
- 30/70 IPA/DI mixture
- Techni-Cloth wipes, Purity wipes

Warning: There is exposed optics in this area. If any optics are touched, any optical mounts are bumped or any fluids come in contact with an optic notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

Procedure

1	Clean the structures from the top to bottom and from one side to the other using a pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI or a saturated 30/70 IPA/DI wipe.	<input type="checkbox"/>
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	Repeat steps 1 through 4 with fresh wipers a minimum of one additional time.	<input type="checkbox"/>
(end)		

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1.1 TARGET AREA STRUCTURE

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.1	TAS				
1.1.1	Target Area Structure Deck 1			M	16.0
1.1.2	Target Area Structure Deck 2			M	16.0
1.1.3	Target Area Structure Deck 3			M	16.0
1.1.4	TAS floor and under Deck 1			M	8.0
1.1.5	Target Area Stairs			M	8.0
1.1.6	Target Area Rails			M	8.0
1.1.7	PMA			M	8.0
1.1.8	UVDPs (x4)			M	8.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Target Bay.

Prerequisite:

- Optical components are to be covered prior to starting this procedure.
- Request permission from the Shot Director prior to cleaning.

Required Equipment:

- Cleanroom vacuum
- PROSAT PSPS001 30/70 IPA/DI
- 30/70 IPA/DI mixture
- Techni-Cloth wipes, Purity wipes

Warning: There is exposed optics in this area. If any optics are touched, any optical mounts are bumped or any fluids come in contact with an optic notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

Procedure

1	Vacuum the TAS starting from the 3 rd level and working down to the ground floor.	<input type="checkbox"/>
2	Clean the TAS, PMA, and UVDP using pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI. or a saturated 30/70 IPA/DI wipe. (continues)	<input type="checkbox"/>

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3	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
4	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
5	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
6	Repeat steps 1 through 4 with fresh wipers a minimum of one additional time. (end)	<input type="checkbox"/>

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1.2 GRATING COMPRESSOR CHAMBER

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.2	GCC				
1.2.1	GCC Outside Structure Walls			M	16.0
1.2.2	GCC Top Surface			M	4.0
1.2.3	GCC Pump Lines			M	1.0
1.2.4	GCC Platform			M	4.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Target Bay. This activity is to be performed ONLY with the permission of the Shot Director.

Required Equipment:

- Cleanroom vacuum
- 1/60 solution Blue Velvet
- Purity wipes

Procedure

1	Vacuum all flat surfaces of the GCC. One must attach themselves to the center cable while working on the top of the GCC.	<input type="checkbox"/>
2	Clean the outside of GCC from the top down using a Purity wipe and a 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
3	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
(continues)		

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4	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wiper can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
5	After wiping the main parts of the components, wipe all edges and corners. (end)	<input type="checkbox"/>

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1.3 LOTF/TGATS

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.3	LOTF/TGATS				
1.3.1	LOTF Floor			W	0.5
1.3.2	TGATS Floor			W	0.5
1.3.3	LOTF Walls			W	2.0
1.3.4	TGATS Walls			W	2.0
1.3.5	Air Quality Measurements			Q	8.0
1.3.6	HEPA Filter Operation Check			Q	8.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Laser Bay.

Prerequisite:

- Optical components are to be covered prior to starting this procedure.
- Request permission from the Shot Director prior to cleaning.

Required Equipment:

- Cleanroom vacuum
- PROSAT PSPS001 30/70 IPA/DI
- In-house 30/70 IPA/DI mixture
- Techni-Cloth wipes, Purity wipes
- Cleanroom mop
- 1/60 solution Blue Velvet
- PMS Lasair II Air Particle Counter

Warning: There are exposed optics in this area. If any optics are touched, any optical mounts are bumped or any fluids come in contact with an optic notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

Procedure

1	Clean the walls from the top to bottom and from one side to the other using a pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI or a saturated 30/70 IPA/DI wipe.	<input type="checkbox"/>
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping	<input type="checkbox"/>

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	strokes by approximately 1 inch.	
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	The floor is vacuumed with a HEPA filtered floor vacuum.	<input type="checkbox"/>
6	The floor is mopped using a cleanroom rated mop and bucket with a solution 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
7	Mopping should be done using overlapping strokes to ensure every area of the floor is covered.	<input type="checkbox"/>
8	If the floor is visually wet after mopping, dry mop to pick up excess solution.	<input type="checkbox"/>
9	Air quality measurements are taken using the Particle Measuring System LASAIR II. Contact the contamination control engineer to take measurements.	<input type="checkbox"/>
10	Using a suitable ribbon flow indicator and extension pole, check the airflow from ALL of the HEPA filters in the ceiling. Report bad failed filter to the facility engineer.	<input type="checkbox"/>
(end)		

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1.4 SPDP

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.4	SPDP				
1.4.1	SPDP table			M	1.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Laser Bay.

This activity is to be performed **ONLY** on a maintenance day and with the permission of the Beamlines Subsystem Engineer.

Prerequisite:

Request permission from the Beamlines Subsystem Engineer prior to cleaning tables and/or structures:

- The system alignment must be checked and adjusted as a reference before any cleaning activity may begin.
- Check with the Beamlines Subsystem Engineer to determine if any optical components are to be covered prior to starting this procedure.

Required Equipment:

- PROSAT PSPS001 30/70 IPA/DI
- In-house 30/70 IPA/DI mixture
- Techni-Cloth wipes, Purity wipes

WARNING: There is exposed optics in this area. If any optics are touched, any optical mounts are bumped, or any fluids come in contact with an optic, notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

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Procedure

1	Clean the structures from the top to bottom and from one side to the other using a pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI or a saturated 30/70 IPA/DI wipe.	<input type="checkbox"/>
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	Repeat steps 1 through 4 with fresh wipers a minimum of one additional time. (end)	<input type="checkbox"/>

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1.5 PEPC/TS

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.4	PEPC/TS				
1.4.1	PEPC/TS outside only			M	1.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Laser Bay.

This activity is to be performed **ONLY** on a maintenance day and with the permission of the Beamlines Subsystem Engineer.

Prerequisite:

Request permission from the Beamlines Subsystem Engineer prior to cleaning tables and/or structures:

- The system alignment must be checked and adjusted as a reference before any cleaning activity may begin.
- Check with the Beamlines Subsystem Engineer to determine if any optical components are to be covered prior to starting this procedure.

Required Equipment:

- PROSAT PSPS001 30/70 IPA/DI
- In-house 30/70 IPA/DI mixture
- Techni-Cloth wipes, Purity wipes

WARNING: There is exposed optics in this area. If any optics are touched, any optical mounts are bumped, or any fluids come in contact with an optic, notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

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Procedure

1	Clean the structures from the top to bottom and from one side to the other using a pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI or a saturated 30/70 IPA/DI wipe.	<input type="checkbox"/>
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	Repeat steps 1 through 4 with fresh wipers a minimum of one additional time. (end)	<input type="checkbox"/>

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1.6 OPTICS ASSEMBLY AREA

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain rigorous cleanroom levels in the assembly area.

Prerequisite:

- Optical components are to be covered prior to starting this procedure.
- This activity is to be performed ONLY with the permission of the OAA Manager.

Required Equipment:

- Cleanroom vacuum
- PROSAT PSPS001 30/70 IPA/DI
- 1/60 solution Blue Velvet
- In-house 30/70 IPA/DI mixture
- Isopropyl Alcohol
- Techni-Cloth wipes, Purity wipes
- PMS Lasair II air particle counter

Warning: There is exposed optics in this area. If any optics are touched, any optical mounts are bumped or any fluids come in contact with an optic notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.5	OAA				
1.5.1	OAA Floors			W	1.0
1.5.2	OAA Walls			W	4.0
1.5.3	OAA Sinks			W	1.0
1.5.4	OAA Counters			W	1.0
1.5.5	OAA Tables			W	1.0
1.5.6	OAA Cabinets			W	1.0
1.5.7	OAA OMAN coating room floors and walls			W	4.0
1.5.8	Air Quality Measurements			Q	8.0
1.5.9	HEPA Filter Operation Check			Q	8.0

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Procedure

1	Clean the walls from the top to bottom and from one side to the other using a pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI or a saturated 30/70 IPA/DI wipe.	<input type="checkbox"/>
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	Clean the Stainless Steel sinks, counters, tables, and cabinets using a Miracle wipe with 100% Isopropyl Alcohol. Use the same wiping method as outlined in section 1.0.	<input type="checkbox"/>
6	The floor is vacuumed with a HEPA filtered floor vacuum.	<input type="checkbox"/>
7	The floor is mopped using a cleanroom rated mop and bucket with a solution 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
8	Mopping should be done using overlapping strokes to ensure every area of the floor is covered.	<input type="checkbox"/>
9	If the floor is visually wet after mopping, dry mop to pick up excess solution.	<input type="checkbox"/>
10	Air quality measurements are taken using the Particle Measuring System LASAIR II. Contact the contamination control engineer to take measurements.	<input type="checkbox"/>
11	Using a suitable ribbon flow indicator and extension pole, check the airflow from ALL of the HEPA filters in the ceiling. Report bad failed filter to the facility engineer.	<input type="checkbox"/>
(end)		

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1.7 LASER SOURCES

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.6	Laser Sources				
1.6.1	Sources Floor			W	2.0
1.6.2	Sources Walls			M	8.0
1.6.3	Sources Anteroom			D	1.0
1.6.4	Sources Laundry			W	1.0
1.6.6	Sources Equipment (tables, computers, etc.)			W	1.0
1.6.7	Sources Tacky Mats			R	0.1
1.6.8	Air Quality Measurements			Q	8.0
1.6.9	HEPA Filter Operation Check			Q	8.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain cleanroom levels in the Laser Sources Bay.

This activity is to be performed with the permission of the Laser Sources Subsystem Engineer.

Prerequisite:

Request permission from the Laser Sources Operator prior to cleaning driverline tables and/or structures:

- Each of the 4 sources beamline's alignment must be checked and adjusted as a reference before any cleaning activity may begin.
- Check with the Laser Sources Operator to determine if any optical components are to be covered prior to starting this procedure.

Required Equipment:

- Cleanroom vacuum
- PROSAT PSPS001 30/70 IPA/DI
- 1/60 solution Blue Velvet
- In-house 30/70 IPA/DI mixture
- Isopropyl Alcohol
- Techni-Cloth wipes, Purity wipes
- PMS Lasiar II air particle counter

WARNING: There are exposed optics in this area. If any optics are touched, any optical mounts are bumped, or any fluids come in contact with an optic, notify a responsible

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individual immediately. Failure to report an incident could result in severe damage to the laser system.

Procedure

1	Clean the walls from the top to bottom and from one side to the other using a pre-saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI or a saturated 30/70 IPA/DI wipe.	<input type="checkbox"/>
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	Vacuum the anteroom floor with a HEPA filtered vacuum, then mop the floor as in section 1.3.	<input type="checkbox"/>
6	The floor is mopped using a cleanroom rated mop and bucket with a solution 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
7	Mopping should be done using overlapping strokes to ensure every area of the floor is covered.	<input type="checkbox"/>
8	If the floor is visually wet after mopping, dry mop to pick up excess solution.	<input type="checkbox"/>
9	Replace the tacky mats within the anteroom and sources when needed. Each mat is pulled to a new sheet when needed.	<input type="checkbox"/>
10	Laundry is to be changed weekly. Cleanroom garments are to be changed every Monday. It is up to each individual to change his/her garments.	<input type="checkbox"/>
11	Outbound laundry is to be counted and bagged.	<input type="checkbox"/>
12	Repair items are individually tagged.	<input type="checkbox"/>
13	Inbound laundry is to be counted and sorted weekly. (continues)	<input type="checkbox"/>

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14	Air quality and HEPA filter check should be done as outlined in section 1.3.	<input type="checkbox"/>
15	Air quality measurements are taken using the Particle Measuring System LASAIR II. Contact the Contamination Control Engineer to take measurements.	<input type="checkbox"/>
16	Using a suitable ribbon flow indicator and extension pole, check the airflow from ALL of the HEPA filters in the ceiling. Report a failed filter to the facility engineer. (end)	<input type="checkbox"/>

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1.8 LASER AND TARGET BAYS

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.7	General Contamination Control				
1.7.1	Laser Bay Floor			W	8.0
1.7.2	Laser Bay Walls			M	24.0
1.7.3	Laser Bay Anteroom			D	1.0
1.7.4	Laser Bay Laundry			W	1.0
1.7.5	Laser Bay Manlifts			W	1.0
1.7.6	Laser Bay Tacky Mats			R	0.1
1.7.7	Laser Bay Tables			D	1.0
1.7.8	Laser Bay Cabinets			D	1.0
1.7.9	Control Room Floor			D	1.0
1.7.10	Air Quality Measurements			Q	32.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous overall effort to maintain rigorous cleanroom levels in the assembly area.

Prerequisite:

- Optical components are to be covered prior to starting this procedure.
- This activity is to be performed ONLY with the permission of the Shot Director.

Required Equipment:

- Cleanroom vacuum
- PROSAT PSPS001 30/70 IPA/DI
- 1/60 solution Blue Velvet
- In-house 30/70 IPA/DI mixture
- Isopropyl Alcohol
- Techni-Cloth wipes, Purity wipes
- PMS Lasair II air particle counter

Warning: There is exposed optics in this area. If any optics are touched, any optical mounts are bumped or any fluids come in contact with an optic notify a responsible individual immediately. Failure to report an incident could result in severe damage to the laser system.

Procedure

1	Clean the walls from the top to bottom and from one side to the other using a pre-	<input type="checkbox"/>
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	saturated cleanroom wipe: PROSAT PSPS001 30/70 IPA/DI.	
2	Clean one section at a time with parallel wiping strokes, while overlap all wiping strokes by approximately 1 inch.	<input type="checkbox"/>
3	When cleaning flat surfaces adjacent to corners, initiate each wiping stroke in a corner and wipe away from the corner. A typical wipe can be used to clean approximately 3 ft ² .	<input type="checkbox"/>
4	After wiping the main parts of the components, wipe all edges and corners.	<input type="checkbox"/>
5	The floor is vacuumed with a HEPA filtered floor vacuum.	<input type="checkbox"/>
6	The floor is mopped using a cleanroom rated mop and bucket with a solution 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
7	Mopping should be done using overlapping strokes to ensure every area of the floor is covered.	<input type="checkbox"/>
(continues)		

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8	If the floor is visually wet after mopping, dry mop to pick up excess solution.	<input type="checkbox"/>
9	Laundry is to be changed weekly. Cleanroom garments are to be changed every Monday. It is up to each individual to change his/her garments.	<input type="checkbox"/>
10	Outbound laundry is to be counted and bagged.	<input type="checkbox"/>
11	Repair items are individually tagged.	<input type="checkbox"/>
12	Inbound laundry is to be counted and sorted weekly.	<input type="checkbox"/>
13	Replace the tacky mats within the anteroom and sources when needed. Each mat is pulled to a new sheet when needed.	<input type="checkbox"/>
14	Clean the counters, tables, and cabinets using a Miracle wipe with 100% Isopropyl Alcohol. Use the same wiping method as outlined in step 2.	<input type="checkbox"/>
15	The manlifts are to be vacuumed using a HEPA filtered vacuum, then cleaned with a Techni-Cloth wipe and 1/60 solution of Blue velvet and DI water with the exception of wheel axles and motor undercarriage.	<input type="checkbox"/>
16	The control room floor will be vacuumed, and mopped using 1/60 solution of Blue velvet and DI water.	<input type="checkbox"/>
17	Air quality measurements are taken using the Particle Measuring System LASAIR II. Contact the contamination control engineer to take measurements.	<input type="checkbox"/>
18	Using a suitable ribbon flow indicator and extension pole, check the airflow from ALL of the HEPA filters in the ceiling. Report bad failed filter to the facility engineer.	<input type="checkbox"/>
(end)		

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1.9 LASER AND TARGET BAY CRANES

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Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.8	Overhead Cranes				
1.8.1	Laser Bay Crane			S	8.0
1.8.2	Target Bay Crane			S	8.0

WARNING: Key to crane access gate is kept in the Shot Director's desk, and must be returned immediately upon completion of any tasks requiring crane access. No exceptions!

Prerequisites:

- All optical components and diagnostic components in the entire bay are to be covered prior to starting this procedure. This process is to be performed from the bottom up.
- Park the LB crane as near as possible to the SW corner of the Laser Bay
- Park the TB crane as near as possible to the NE corner of the Target Bay

Required Equipment:

- Cleanroom vacuum
- 1/60 solution Blue Velvet
- Techni-Cloth wipes

Procedure

1	All exterior surfaces of the crane trolley are vacuumed. • Process is done from top to bottom.	<input type="checkbox"/>
2	The same surfaces are cleaned with a Techni-Cloth wipe and a 1/60 solution of Blue Velvet and DI water. • This process is to be performed from the top down.	<input type="checkbox"/>
3	The portable access bridge for the trolley is entirely vacuumed.	<input type="checkbox"/>
4	The portable access bridge for the trolley is entirely cleaned with a Techni-Cloth wipe and with a 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
5	The crane catwalk and the contiguous railings are vacuumed.	<input type="checkbox"/>
6	The crane catwalk and the contiguous railings are cleaned with a Techni-Cloth wipe and a 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>

D-Daily	M-Monthly	S- Semiannually	C- Cyclic overall
W- Weekly	Q-Quarterly	A- Annually	R- Situational

7	The crane access platform is vacuumed.	<input type="checkbox"/>
8	The crane access platform is cleaned with a Techni-Cloth wipe and a 1/60 solution of Blue Velvet and DI water.	<input type="checkbox"/>
9	The crane access ladder is vacuumed. • This process is to be performed from the top down.	<input type="checkbox"/>
10	The crane access ladder is cleaned with a Techni-Cloth wipe and a 1/60 solution of Blue Velvet and DI water. • This process is to be performed from the top down. (end)	<input type="checkbox"/>

D-Daily	M-Monthly	S- Semiannually	C- Cyclic overall
W- Weekly	Q-Quarterly	A- Annually	R- Situational

1.10 CAPACITOR AND DIAGNOSTIC BAY FLOORS

Index

Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.9	Capacitor and Diagnostic Bays				
1.9.1	Capacitor Bays 1 ,2 and 3N			M	1.0
1.9.2	Capacitor Bays 1 and 2S			M	1.0
1.9.3	Diagnostic Bays 1, 2 and 3			M	1.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous effort to maintain overall cleanroom levels. This activity is to be performed **ONLY** with the permission of the Power Conditioning Subsystem Engineer.

Required Equipment:

- Shop vacuum
- Mop
- 1/60 solution Blue Velvet

Procedure

1	Floor is cleared of debris, skids and cardboard.	<input type="checkbox"/>
2	Floor is vacuumed with a shop vacuum.	<input type="checkbox"/>
3	Floor is mopped with a used spaghetti mop head with 1/60 solution of Blue velvet and DI water. (Standard proportional solution may be strengthened, if necessary, in this area.) (end)	<input type="checkbox"/>

D-Daily	M-Monthly	S- Semiannually	C- Cyclic overall
W- Weekly	Q-Quarterly	A- Annually	R- Situational

1.11 WEST MECHANICAL ROOM

Index

Ref.	Component	Periodic Check	On-Condition Action	Periodic Action	Estimate Time (hrs)
1.10	West Mechanical Room				
1.10.1	Mechanical Room			M	1.0
1.10.2	Electrical Switch Room			M	1.0

Intent:

This procedure is to be performed on a regular basis as part of a rigorous effort to maintain overall cleanroom levels.

Required Equipment:

- Shop vacuum
- Mop
- 1/60 solution Blue Velvet

Procedure

1	Floor is cleared of debris, skids and cardboard.	<input type="checkbox"/>
2	Floor is vacuumed with a shop vacuum.	<input type="checkbox"/>
3	Floor is mopped with a used spaghetti mop head with 1/60 solution of Blue velvet and DI water. (Standard proportional solution may be strengthened, if necessary, in this area.)	<input type="checkbox"/>
(end)		

D-Daily	M-Monthly	S- Semiannually	C- Cyclic overall
W- Weekly	Q-Quarterly	A- Annually	R- Situational

Document Release:

OMEGA EP Facility Contamination Control Schedule, S-AB-P-107

Approval for release of this document into the PDM system was granted by:

Steven Loucks
Samuel Morse
James Edwards
Brian Ashe

LLE Engineering Division Director
OMEGA EP Project Manager
OMEGA EP System Engineer
OMEGA EP Contamination Control Engineer

D-Daily	M-Monthly	S- Semiannually	C- Cyclic overall
W- Weekly	Q-Quarterly	A- Annually	R- Situational