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Procedure for

TGMS Off-Hours Contact

REVISION

Rev No.	DCN No.	Change Summary	Release Date	DCN Initiator	Document Owner
2	DCN0655	Updated TGMS Technician Contact	4-18-11	T. Dobbs	R. Segura

Prior revision history, if applicable, is available from the Document Control Office.

1. PURPOSE AND SCOPE

The purpose of this procedure is to identity the person(s) who should be contacted for Toxic Gas Monitoring System (TGMS) related issues, that require immediate response during off hours, which impacts tools and/or equipment scheduled for process gases and impacts daily operations.

2. DEFINITIONS

TGMS – Toxic Gas Monitoring System

AAC - Area Alarm Controller

GCS - General Control Systems

Off Hours – The cleanroom(s) is operational, but EHS staff, AAC coordinator, and outside contractor are not on site.

Typical Off Hours – Monday – Friday: 5:00 PM – 6:00 AM Saturday – Sunday: 00:00 – 24:00

3. RESPONSIBILITIES

Operational Management to use procedure to contact necessary individuals to respond to TGMS related issues during off hours ONLY when ERT team leads cannot resolve the situation.

4. PROCEDURE

Use this procedure ONLY when ERT team leads cannot resolve the situation and ONLY during off hours for TGMS related issues that require immediate assistance to the TGMS system in support of tool(s) and/or equipment that have a necessity to operate (i.e. wafers to run).

- 1. ERT should perform routine troubleshooting of the TGMS system to determine cause of fault.
 - ERT have written procedures for common failure (sensor/tape replacement, trouble faults, heat detectors, pressure transmitter, fuse replacement, etc.) written procedures can be found in the ERT TGMS binder in the NFN, NFS/NFSX, and NFC gowning rooms.

- In addition O & M manuals for all TGMS system components (TGMS units) can be found in TGMS binder in NFN, NFS/NFSX, and NFC gowning room (near TGMS screens – FAB level).
- TGMS spares and components are located in TGMS cabinet in NFS, NFSX, NFN ERT closets, and MST sensor refrigerator in NFN sub-fab.
- 4.1 If ERT has determined that the repair or cause of failure is beyond their abilities and it is essential that the tool must be brought back online, then the shift operation supervisor should contact TGMS support personnel in the following order:

Contact information:

<u>Name</u>	<u>Title</u>	Cell #	Home #	Page #
1) Francis Mouawad CNSE)	TGMS Technician	518 429-0972	Х	Х
2) Ray Michael (CNSE)	AAC coordinator	518 320-7946	518 674-1821	Х
3) General Controls	GCS	Х	Х	518 467-6373
4) Ken Day	GCS Engineer	518 858-2056	Х	Х
5) Arvid Abrams	GCS Project Manager	518 858-2050	Х	Х

- 4.1.1 There should only be one (1) person who makes these contacts.
- 4.1.2 When leaving messages please leave return contact name and number (#) and reason for contact. Continue calling down the list until you have made direct contact with someone.
- 4.1.3 If a shift change occurs, the on-coming shift supervisor should re-establish these contacts to make sure calls returned are not going to the supervisor who just left, but are directed to current shift supervisor.
- 4.2 In the event none of the above individuals can be contacted and messages have been left for all numbers above; please escalate the situation to the following individuals below:

Contact information:

<u>Name</u>	<u>Title</u>	Cell #	Home #	Page #
6) Robert Segura	Associate VP EHS	518 470-6882	518 882-1363	Х
7) Jennifer Trodden	EHS Engineer	518 369-6334	518 225-8307	Х
8) Tim Stoner	Equipment Engineer	518 469-0585	518 886-8551	Х

5. RECORDS:

All TGMS related issues will be recorded by ERT and Security via incident report.