



Printer's EnviroServices Program (PEP)



Plate Pre-installation Health, Safety & Environmental (HSE) Customer Site Survey

1. Introduction

Kodak is committed to providing the safest imaging products and the best-in-industry solutions to ensure the safest possible operating conditions. Many generations of Kodak CTP products have been used since its introduction in 1996 by the graphic communications industry globally to print millions of pages safely with minimal environmental impact. This guidance document is meant to encourage customers to continue to implement good safety and environmental practices at their facilities, which will result in the safe and productive use of computer-to-plate products.

2. Indoor Air Quality

The use of thermal plates is safe if the proper recommendations for imaging and ventilation are followed. Since the imaging of thermal plates could result in the emission of trace levels of gases and particulates as thermal decomposition by-products it is important to follow Kodak's imaging recommendations for laser intensity and drum speeds to minimize emissions. Imaging the media at higher than recommended exposures and/or using slower than recommended drum speeds could result in higher level of gaseous emissions and more particulates due to ablation which could affect both print quality as well as air quality. Use of proper ventilation is important to maintain odors and contaminants at acceptable levels.

This section has been developed to help ensure that the customer has proper ventilation and that a chemical/particulate filtration and/or local exhaust are considered if general ventilation is inadequate.

2a. Space

Position of equipment

Sketch location of device within the room

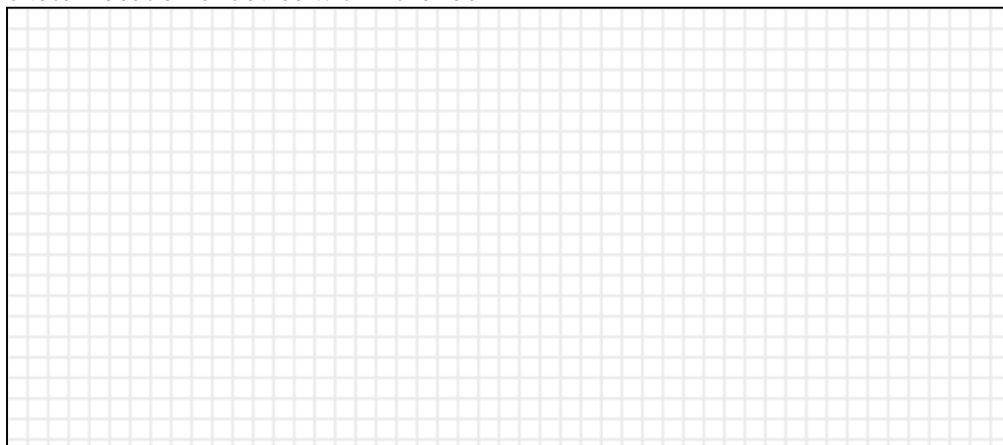




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Room Dimensions

Length _____ Width _____ Height _____ Units: ft or m

Room volume: _____ Units (ft³ or m³)

2b. Mechanical Ventilation

Is the room supplied with mechanical ventilation?

Yes No

If yes, indicate location of supply air diffusers and return air vents on the above room diagram

Total estimated air volume supplied to the room:

_____ Units: ft³/hr. or m³/hr.

Estimated volume of fresh outside air in the air supplied to the room

_____ Units: ft³/hr. or m³/hr.

Room Air Changes per hour = Total volume of fresh air per hour / Volume of room

_____ Units: ft³/hr. or m³/hr.

Does the room air changes per hour meet the general ventilation requirements for a safe work environment?

Yes No

2c. Platesetter Contaminant Control

Does the customer have the ability to vent the platesetter externally if general ventilation is inadequate?

Yes No



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If the customer cannot vent to the outside, will a UDRC (Universal Debris Removal Cabinet) or a similar filtration system be installed to filter emissions generated from the platesetter?

Yes No

Will a chemical filter be included with the UDRC or similar system to capture vapor emissions generated from the platesetter?

Yes No

Will a particulate filter be included with the UDRC or similar system to capture particulate emissions generated from the platesetter?

Yes No

If the platesetter will be vented indoors (following recommended filtering practices, e.g. use of UDRC along with chemical filters), is customer aware of the critical need to change both the particulate filter and the chemical filter according to manufacturer's recommendations in order to ensure adequate exhaust ventilation for the device, to minimize odors, and to ensure compliance with exposure limits.

Yes No

2d. Ovens & Processor Contaminant Control

Will the customer use a prebake or postbake oven?

Yes No

If yes, has the customer evaluated using an exhaust hood to vent the prebake or postbake oven to the outside if general ventilation is inadequate?

Yes No

3. MSDSs/AISs

The Article Information Sheet (AIS) and Material Safety Data Sheet (MSDS) is an important document that reviews, amongst other things, hazards associated with a product and exposure controls. The MSDS/AIS is usually sent automatically to the customer by Kodak when they purchase products for the first time or a major revision is made. It is important that the customer reviews the MSDSs/AISs for

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products they will be using and understand the recommended ventilation requirements, occupational exposure limits and personal protective equipment (PPE) that is required to use the product safely. MSDSs can be found at graphics.kodak.com/MSDS

Has the customer obtained all required MSDSs/AISs for consumables?

Yes No

Has the customer planned to implement the proper engineering controls to ensure that the airborne levels of potentially emitted contaminants during imaging are below regulated and recommended occupational levels?

Yes No

Has the customer planned to implement the recommended PPE?

Yes No

4. Effluent Disposal

Some thermal plates use processing chemicals that either have a high pH such as MX 1813 developer or low pH such as 850s finisher and may require neutralization or other treatment prior to disposal in order to be in compliance.

Does the customer have information on the proper disposal of CTP developers?

Yes No

Has the customer reviewed the regulatory requirements for the disposal of effluents to ensure compliance with local, state & federal regulations?

Yes No

Has the customer reviewed information on neutralization systems if their effluents won't meet local, state or federal pH compliance limits?

Yes No



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5. Plate Disposal

Thermal plates are generally not considered as a hazardous waste for disposal purposes. However, customers should always consult with the local regulations for disposal requirements. Kodak recommends recycling aluminum plates which produces revenue while reducing waste going to the landfill.

Has customer reviewed information on the Kodak Aluminum Printing Plate Recycling Program?

Yes

No

6. Equipment Disposal

All equipment such as processors and ovens should be disposed of according to all local, state and federal regulations at the end of life. Kodak will assume the responsibility to remove and recycle Kodak owned equipment at the end of life when it is loaned to a customer.

Has customer reviewed information on the Kodak Equipment Recycling Program?

Yes

No

Will the customer return Kodak owned equipment at the end of life or loan period?

Yes

No

More Information

This service is part of Kodak's Printer's EnviroServices Program (PEP). Helping customers with environmental concerns and compliance is a major commitment of Kodak. PEP consists of a comprehensive range of environmental and safety products and services specially designed to allow Kodak's GCG customers to meet their environmental, safety, and health objectives in a cost-effective manner. For more information, please contact the Kodak EnviroServices Hotline at (877) 574-7274 or PEP@Kodak.com.

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