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To: Chris Sannerud	From: Corinne P Moody
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Phone: (b)(6)	Date: 05-30-14
Re: 2014 Quota Report	cc: Joseph Rannazzisi

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DEPARTMENT OF HEALTH & HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION
CENTER FOR DRUG EVALUATION & RESEARCH

MAY 30 2014

Mr. Joseph T. Rannazzisi
Deputy Assistant Administrator
Office of Diversion Control
Drug Enforcement Administration
600 Army-Navy Drive
Arlington, Virginia 22202

Dear Mr. Rannazzisi:

This document is in response to your letter dated February 12, 2014, to the Food and Drug Administration, Center for Drug Evaluation and Research (FDA/CDER), requesting estimates of medical, scientific, and reserve stock needs for calendar years 2014 and 2015, for Schedule I and II substances, pursuant to 21 CFR Part 1303 (21 United States Code [U.S.C.] 826 and 42 U.S.C., Section 242). The Controlled Substance Staff in the Office of the Center Director, FDA/CDER, has been requested to respond.

We provide forecasts on the usage of twenty-five Schedule II substances for the years 2014 and 2015. The Schedule II substances to be evaluated in this memorandum are: alfentanil, amobarbital, amphetamine, cocaine, codeine, dihydrocodeine, diphenoxylate, fentanyl, hydrocodone, hydromorphone, lisdexamfetamine, meperidine, methadone, methamphetamine, methylphenidate, morphine, nabilone, opium, oxycodone, oxymorphone, pentobarbital, remifentanil, secobarbital, sufentanil, and tapentadol.

In general, according to the forecasted data in **Table 1**, usage for most opioids are predicted to decline in 2014 and 2015.

We also provide forecasts for the same years for ephedrine and pseudoephedrine. As in previous years, we are including the predicted usage of drug substances synthesized from the Schedule II precursor, thebaine. Production of these substances determines the quantities of thebaine produced. The drug substances derived from thebaine include naloxone and naltrexone. At the additional request of the DEA, we are providing forecasts on the usage of substances that are internationally controlled under the Psychotropic Convention. These drugs include: alprazolam, buprenorphine, clonazepam, diazepam, diethylpropion, lorazepam, midazolam, temazepam, and zolpidem.

I. Tabular Data

The *observed* usage (purchases in kilograms) of Schedule II substances in 2011, 2012, and 2013, and percent changes based on the *observed* values from the previous year are presented in **Table 1**. *Predicted* usage (purchases in kilograms) of the Schedule II substances are also provided for 2014 and 2015. Each predicted value is an estimate

subject to variation.

The *observed* usage for 2011, 2012, and 2013, and *predicted* usage (purchases, in kilograms) for 2014 and 2015 for substances controlled under the Psychotropic Convention are provided in **Table 2**. The *observed* usage for 2011, 2012, and 2013 and *predicted* usage (purchases, in kilograms) for 2014 and 2015 for ephedrine and pseudoephedrine are provided in **Table 3**.

Among the substances requested by DEA, we are not providing forecasted usage for the following Schedule I and II substances: difenoxin, etorphine, gamma-hydroxybutyrate (GHB or sodium oxybate), levorphanol, marijuana, noroxymorphone, propiram, psilocybin, synthetic cannabinoids, synthetic cathinones, and tetrahydrocannabinols because data regarding the usage of these substances were limited or not available. Data was also unavailable for phenylpropanolamine. The Schedule IV substance clobazam was also not included in this analysis because data are only available for 2012, since the drug was approved in October 2011. There were data gaps for difenoxin and levorphanol in which no sales data were available for varying time periods.

- Comments on *Observed* usages in 2012 (See **Table 1**, **Table 2** and **Table 3**).

In 2013, there was an increase in the *observed* usage (relative to 2012) for both hydromorphone and remifentanyl. The increase is also *predicted* for 2014.

Most of the predicted usage data for drugs data received this year were similar to usage data from previous years. In contrast, alfentanil, dihydrocodeine, meperidine, methadone, nabilone, pentobarbital, and secobarbital all demonstrated a *decrease* of $\geq 10\%$ in their observed use. Further, alfentanil, dihydrocodeine, meperidine, methadone, oxymorphone, and sufentanil are *predicted* to have a decrease of $\geq 10\%$ in 2014. Dihydrocodeine and pentobarbital displayed relatively large decreases in both *observed* usage in 2013, and *predicted* usage in 2014.

The *observed* retail and non-retail sales values for some substances were inconsistent with previous years. This is a result of regular data corrections and updates by the IMS data investigation team. As stated in previous reports, most of these corrections were minor (e.g., $\leq 0.5\%$) and should not be an influencing factor in the current forecasting. Similar discrepancies were also noted and resolved in previous reports.

- Forecasted (*Predicted*) Increases for 2014 (See **Table 1**, **Table 2**, and **Table 3**).

The *predicted* usage of these substances does not take under consideration specific needs of some manufacturers due to recent recalls of defective products or drug shortages.

II. Reports from FDA Office of New Drugs, Office of Generic Drugs, Center for Veterinary Drugs, and the Substance Abuse Mental Health Services Administration (SAMHSA)

The CDER Office of New Drugs review divisions reported the approvals and pending actions of products with Schedule I and II controlled substances, as well as substances controlled under the Psychotropic Convention. The reports originate from the Division of Metabolism and Endocrinology Products (DMEP), Division of Anesthesia, Analgesia, and Addiction Products (DAAAP), Division of Psychiatry Products (DPP), Division of Neurology Products (DNP), and the Division of Pulmonary, Allergy and Rheumatology Products (DPARP). Information on drug shortages and manufacturing delays were reported by the CDER Drug Shortages Staff. The CDER Office of Generic Drugs provides listings of Schedule I and II containing products that were approved in 2013 (Table 4), products discontinued in 2013 (Table 5), and products that may be approved in 2014 (Table 6).

The Center for Veterinary Medicine (CVM) reports that thiopental is no longer available.

SAMHSA provides information about the usage of methadone and buprenorphine in maintenance treatment of opioid addiction. Data on the use of methadone in OTPs is not available from IMS; therefore, Table 1 most likely refers to usage of methadone for pain treatment.

The Division of Metabolism and Endocrinology Products (DMEP) notes that they have received the resubmission of the NDA for Contrave (naltrexone + bupropion). The Sponsor currently has an ongoing trial (under IND) for this product that may affect quota demands for naltrexone.

The Division of Anesthesia, Analgesia, and Addiction Products (DAAAP) reports the approval of NDAs or Efficacy and Manufacturing Supplements in the past year for the following substances: alfentanil, cocaine, codeine, dihydrocodeine, fentanyl, gamma-hydroxybutyrate, hydrocodone, hydromorphone, ketamine, levorphanol, meperidine, methadone, morphine, oxycodone, oxymorphone, remifentanil, sufentanil, tapentadol, tetrahydrocannabinols, tramadol, and buprenorphine.

In 2013, the Division of Psychiatry Products (DPP) approved an efficacy supplement for Vyvanse (lisdexamfetamine). DPP has pending NDAs/efficacy supplements for Amphetamine Polistirex Extended-Release Orally Disintegrating Tablets and a methylphenidate patch. DPP also expects the continued development of a new, methylphenidate transdermal patch.

DPP has also received the following INDS that may require the manufacturing of commercial-type batches of products containing the following substances:

(b) (4)
(b) (4)

The Division of Neurology Products (DNP) reports the receipt of NDAs and efficacy and manufacturing supplements for the following substances in 2013: (b) (4)
(b) (4) clobazam, and zolpidem. In addition, DNP reports receiving

INDs for cannabidiol and Sativex (tetrahydrocannabinol and cannabidiol), and notes that Klonopin (clonazepam) orally disintegrating tablet will no longer be marketed. Finally, DNP reports distributing approximately (b) (4) units of GHB from July 1, 2012 through June 30, 2013 (one unit = 180 mL bottle).

The Division of Pulmonary, Allergy and Rheumatology Products (DPARP) reports the approval of an NDA for hydrocodone bitartrate and chlorpheniramine in 2013, along with INDs for the following:

- (b) (4)
- (b) (4)
- (b) (4)
- (b) (4)

Based on increased demand, manufacturing delays, and shortages in 2013, the Drug Shortages Division predicted additional quota demands in 2014 for the following substances: alfentanil, amphetamine, fentanyl, hydromorphone, ketamine, meperidine, methadone, methamphetamine, methylphenidate, morphine, sufentanil, diazepam, lorazepam, midazolam, naloxone, naltrexone, and ephedrine.

The Center for Veterinary Medicine (CVM) reports that thiopental is no longer available as an unapproved animal drug. Veterinarians are interested in using alternative anesthetic agents.

The Substance Abuse Mental Health Services Administration (SAMHSA) reports that based on data from the National Survey of Substance Abuse Treatment Services (N-SSATS), on March 30, 2012, there were 306,512 patients that received methadone via Outpatient Treatment Programs (OTP). N-SSATS does not collect data for the number of physicians prescribing methadone.

SAMHSA also reports that according to the 2011 Opioid Treatment Survey, the most current dosage data for patients receiving methadone maintenance are as follows:

- Less than 40 mg: 26,252 patients (10.3%)
- 40-79 mg: 67,237 patients (26.3%)
- 80-119 mg: 82,519 patients (32.3%)
- 120 mg or more: 45,070 patients (17.6%)
- Unknown: 34,357 patients (13.5%)

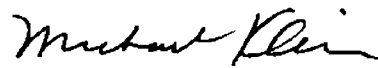
These dosages are for patients in maintenance treatment and do not include dosages that may have been used for detoxification.

Finally, based on the 2012 N-SSATS data, there were 7,409 patients receiving buprenorphine in OTPs and an additional 31,814 patients receiving buprenorphine in specialty substance abuse treatment facilities that were not OTPs. These numbers do not include patients that received buprenorphine from office-based practicing physicians who were not attached with a specialty substance abuse treatment facility. Per the Drug Abuse Treatment Act (DATA) of 2000, these physicians have waived authority to dispense or prescribe certain narcotic drugs for maintenance or detoxification treatment.

We hope that these data prove useful to the Drug Enforcement Administration in making

quota determinations. If you have any questions or need additional clarification, please contact Chad Reissig, Ph.D., Controlled Substance Staff, at 301-796-5402.

Sincerely,



Michael Klein, Ph.D.
Director, Controlled Substance Staff
Office of the Center Director
Center for Drug Evaluation and Research

Concur:



Douglas C. Throckmorton, M.D.
Deputy Center Director
Center for Drug Evaluation and Research

Attachments:

Attachment I: Description of Forecasting Methodology

Table 1: Forecast Uses (Purchases, in Kg) for 2014 and 2015, and Observed Use for 2011, 2012, and 2013 of Schedule II Controlled Substances.

Table 2: Forecast Uses (Purchases, in Kg) for 2014 and 2015, and Observed Use for 2011, 2012, and 2013, of substances derived from thebaine and for substances controlled under the Psychotropic Convention.

Table 3: Forecast Uses (Purchases in Kg) for 2014, and 2015, and Observed Use for 2011, 2012, and 2013 of the substance ephedrine and pseudoephedrine

Table 4: Recently Approved Generic Drug Products Containing Schedule II Controlled Substances Approved in 2013.

Table 5: Generic Products Containing Schedule II Controlled Substances Discontinued in 2013.

Table 6: Generic Drug Products Containing That May be Approved in 2014.

Attachment I. Description of Forecasting Methodology

Monthly purchase data comprised of retail and non-retail sales are extracted from the IMS Health, National Sales Perspectives™ database. The IMS Health, National Sales Perspectives™ database measures the volume of drug products and selected diagnostic products moving from manufacturers into various outlets within the retail and non-retail markets. The retail market includes the following pharmacy settings: chain drug stores, independent pharmacies, mass merchandisers, grocery stores, and mail order pharmacies. The non-retail market includes clinics, federal and non-federal hospitals, federal facilities, HMOs, long-term care facilities, home health care and other miscellaneous settings.

The accuracy of the usage data provided depends on a variety of factors, including sampling and non-sampling errors. The IMS Health, National Sales Perspectives™ does not provide a direct estimate of use but does provide a national estimate of units (in kilograms) sold from the manufacturer to various channels of distribution. The quantities of products purchased by retail and non-retail channels of distribution may be a possible surrogate for use, assuming that facilities purchase drugs in quantities reflective of actual consumer use.

As in past years, accuracy of the forecast is affected by unexpected changes in consumption, supply, data collection, or IMS Health's drug categorization and sampling plan. The mathematical modeling process involves only objective factors. Deterministic factors may affect the reliability of the forecasted values. Predictions of usage for 2015 should be carefully interpreted because the precision of the forecast reduces with time into the future.

Each year, IMS Health adjusts the complete database by applying correction factors to update product usage data. Such factors may include a "re-calibration" of reported values or shifts in series reflecting new use of a drug containing the substance of interest. Such changes can result in the forecasted estimate for a given year that differs from the estimate given in previous years. Fortunately, the correction factors for most substances are small.

The forecasting method relies on a mathematical model that is accurate only to the extent that the environment of the drug use system remains essentially unchanged from previous years. This year, three smoothing approaches are used to minimize errors in forecasting:

1. Simple exponential smoothing (SES)
2. Brown's exponential smoothing (Brown)
3. Damped-trend exponential smoothing (damp)

The decision to use one approach over the other is based on the characteristics of the data used to make the projections. For substances that exhibited no apparent usage trend or a trend that is characterized by abrupt changes or recent inconsistencies, simple exponential smoothing (SES) is used and forecasts are only provided for 2014. These substances are usually characterized by either a small number of data points or low stability in an increasing or decreasing trend or both.

For substances with a well-defined increasing or decreasing trend, Brown's Linear Exponential Smoothing is used. Brown's method is applied to series where the recent behavior is characterized by an increasing or decreasing trend. For these series, the decision to provide predictions of one or two years into the future depends on the number of data points used in the model and on the degree of stability of the trend. For stable series with 10 or more data points, predictions of two years into the future are provided. For series with fewer than 10 data points, the decision to provide one or two years forecasts is examined on a case by case basis.

In settings where there's a stable and smooth linear trend, an application of the Brown method is appropriate. However, when a trend is characterized by a recent sharp increase or a sharp decrease, the Brown method can lead to extreme forecasts. In these situations, the damp method provides a useful alternative to the Brown method because it often leads to less extreme forecasts.

Table 1: Forecast (*Predicted*) uses (Purchases, in Kg) for 2014 and 2015, and observed use for 2011, 2012, and 2013, of Schedule II Controlled Substances. (Note: Substances and years for which either *observed* or *predicted* increases are equal to or exceed 10% appear in **bold.) Percent changes reflect the change from the previous year.**

Source: FDA/CDER/ Office of Biostatistics VII.

SUBSTANCE	2011 Observed	2012 Observed (%CHANGE ¹)	2013 Observed (%CHANGE ²)	2014 Predicted (%CHANGE ³)	2015 Predicted (%CHANGE ⁴)
ALFENTANIL	0.49	0.40 (-18.4)	0.34 (-15.0)	0.27 (-20.6)	N/A
AMOBARBITAL	1.41	1.55 (9.9)	1.60 (3.2)	1.55 (-3.1)	N/A
AMPHETAMINE	9402.50	10647.40 (13.2)	10612.60 (-0.3)	11286.71 (6.4)	11957.40 (5.9)
COCAINE	48.70	43.80 (-10.1)	39.50 (-9.8)	36.40 (-7.8)	32.55 (-10.6)
CODEINE	25200.70	22295.30 (-11.5)	21332.50 (-4.3)	21383.00 (0.2)	20533.05 (-4.0)
DIHYDROCODEINE	102.70	71.30 (-30.6)	33.81 (-52.6)	19.36 (-42.7)	N/A
DIPHENOXYLATE	423.80	381.40 (-10.0)	378.60 (-0.7)	353.91(-6.5)	N/A
FENTANYL	528.30	560.20 (6.0)	534.70 (-4.6)	560.37 (4.8)	568.62 (1.5)
HYDROCODONE	62551.20	61997.30 (-0.9)	60585.30 (-2.3)	59708.95 (-1.4)	58400.02 (-2.2)
HYDROMORPHONE	1659.60	1885.10 (13.6)	1897.00 (0.6)	2033.20 (7.2)	2168.95 (6.7)
LISDEXAMFETAMINE	11749.60	13402.60 (14.1)	12952.70 (-3.4)	12567.85 (-3.0)	N/A
MEPERIDINE	2283.10	1858.10 (-18.6)	1514.30 (-18.5)	1251.34 (-17.4)	1035.94 (-17.2)
METHADONE	7590.40	6733.90 (-11.3)	5762.20 (-14.4)	5065.40 (-12.1)	N/A
METHAMPHETAMINE	12.45	12.74 (2.3)	11.85 (-7.0)	11.08 (-6.5)	N/A
METHYLPHENIDATE	18218.90	18595.80 (2.1)	17082.60 (-8.1)	17562.87 (2.8)	N/A
MORPHINE	29989.70	28229.20 (-5.9)	25759.40 (-8.7)	23628.23 (-8.3)	21788.42 (-7.8)
NABILONE	0.05	0.04 (-20.0)	0.03 (-25.0)	0.03 (0.0)	N/A
OPIUM	80.60	77.0 (-4.5)	72.90 (-5.3)	70.26 (-3.6)	N/A
OXYCODONE	69926.80	65718.00 (-6.0)	59336.70 (-9.7)	53969.54 (-9.0)	49451.04 (-8.4)
OXYMORPHONE	2604.70	1916.10 (-26.4)	1826.00 (-4.7)	1488.39 (-18.5)	N/A
PENTOBARBITAL	79.20	46.80 (-40.9)	24.17 (-48.4)	22.26 (-7.9)	N/A
REMIFENTANIL	1.05	1.11(5.7)	1.15 (3.6)	1.21 (5.2)	1.27 (5.0)
SECOBARBITAL	19.60	15.40 (-21.4)	11.64 (-24.4)	10.54 (-9.5)	N/A
SUFENTANIL	0.05	0.05 (0.0)	0.05 (0.0)	0.04 (-20.0)	N/A
TAPENTADOL	4923.20	6255.60 (27.1)	5833.50 (-6.7)	5478.46 (-6.1)	N/A

¹ 100 x [Observed (2012) - Observed (2011)]/Observed (2011)

² 100 x [Observed (2013) - Observed (2012)] /Observed (2012)

³ 100 x [Observed (2014) - Forecast (2013)]/Observed (2013)

⁴ 100 x [Forecast (2015) - Forecast (2014)]/Forecast (2014)

Table 2: Forecast (*Predicted*) uses (Purchases, in Kg) for 2014 and 2015, and observed use for 2011, 2012, and 2013 of substances derived from thebaine and for substances controlled under the Psychotropic Convention (*Note:* Substances and years for which either *observed* or *predicted* increases are equal to or exceed 10 percent appear in **bold**).

SUBSTANCE	2011 Observed	2012 Observed (%CHANGE ¹)	2013 Observed (%CHANGE ²)	2014 Predicted (%CHANGE ³)	2015 Predicted (%CHANGE ⁴)
ALPRAZOLAM	2342.50	2278.20 (-2.7)	2277.60 (0.0)	2269.49 (0.4)	N/A
BUPRENORPHINE	1746.40	1981.50 (13.5)	2251.80 (13.6)	2522.03 (12.0)	2792.26 (10.7)
CLONAZEPAM	1406.90	1417.80 (0.8)	1485.40 (4.8)	1507.40 (1.5)	1536.20 (1.9)
DIAZEPAM	5109.80	4888.20 (-4.3)	4833.30 (-1.1)	4833.36 (0.0)	N/A
DIETHYLPROPION	601.50	545.80 (-9.3)	487.70 (-10.6)	433.62 (-11.1)	387.61 (-10.6)
LORAZEPAM	1387.20	1344.70 (-3.1)	1380.90 (2.7)	1362.21 (-1.4)	N/A
MIDAZOLAM	675.80	314.00 (-53.5)	431.20 (37.3)	315.12 (-26.9)	N/A
NALOXONE	390.90	430.80 (10.2)	473.20 (9.8)	515.60 (9.0)	557.99 (8.2)
NALTREXONE	622.60	605.20 (-2.8)	685.90 (13.3)	721.90 (5.2)	763.26 (5.7)
TEMAZEPAM	6584.30	6397.60 (-2.8)	6441.50 (0.7)	6438.90 (0.0)	N/A
ZOLPIDEM	12230.10	12141.00 (-0.7)	11501.30 (-5.3)	10897.60 (-5.2)	10293.32 (-5.5)

Source: FDA/CDER/ Office of Biostatistics VII.

¹ 100 x [Observed (2012) - Observed (2011)]/Observed (2011)

² 100 x [Observed (2013) - Observed (2012)] /Observed (2012)

³ 100 x [Observed (2014) - Forecast (2013)]/Observed (2013)

⁴ 100 x [Forecast (2015) - Forecast (2014)]/Forecast (2014)

Table 3: Forecast (*Predicted*) uses (Purchases, in Kg) for 2014 and 2015, and observed use for 2011 and 2012, and 2013 of ephedrine and pseudoephedrine (*Note:* Substances for which either *observed* or *predicted* increases are equal to or exceed 10 percent are in bold).

SUBSTANCE	2011	2012 Observed (%CHANGE ¹)	2013 Predicted (%CHANGE ²)	2014 Predicted (%CHANGE ³)	2015 Predicted (%CHANGE ⁴)
EPHEDRINE	1534.40	1972.30 (28.5)	2076.90 (5.3)	2094.29 (0.8)	NA
PSEUDOEPHEDRINE	101110.70	92869.90 (-8.2)	92333.80 (-0.6)	78533.25 (-14.9)	70755.93 (-9.9)

Source: FDA/CDER/ Office of Biostatistics VII.

¹ 100 x [Observed (2012) - Observed (2011)]/Observed (2011)

² 100 x [Observed (2013) - Observed (2012)] /Observed (2012)

³ 100 x [Observed (2014) - Forecast (2013)]/Observed (2013)

⁴ 100 x [Forecast (2015) - Forecast (2014)]/Forecast (2014)

Table 4: Generic drug products containing controlled substances approved in 2013.

DRUG PRODUCT	ANDA #	SPONSOR
AMPHETAMINE ASPARTATE; AMPHETAMINE SULFATE; DEXTROAMPHETAMINE SACCHARATE; DEXTROAMPHETAMINE SULFATE, EXTENDED RELEASE CAPSULES	077488	Teva
AMPHETAMINE ASPARTATE; AMPHETAMINE SULFATE; DEXTROAMPHETAMINE SACCHARATE; DEXTROAMPHETAMINE SULFATE, EXTENDED RELEASE CAPSULES	076536	Barr
AMPHETAMINE ASPARTATE; AMPHETAMINE SULFATE; DEXTROAMPHETAMINE SACCHARATE; DEXTROAMPHETAMINE SULFATE, TABLETS	202424	Aurolife
DEXTROAMPHETAMINE SULFATE, ORAL SOLUTION	203644	Tris Pharma
DEXTROAMPHETAMINE SULFATE, TABLETS	202893	Aurolife
CODEINE PHOSPHATE; PROMETHAZINE HYDROCHLORIDE, ORAL SYRUP	200894	Amneal
ACETAMINOPHEN; CODEINE PHOSPHATE, TABLETS	202800	Aurolife
HYDROCODONE BITARTRATE; IBUPROFEN, TABLETS	091633	Caraco
ACETAMINOPHEN; HYDROCODONE BITARTRATE, ORAL SOLUTION	040838	Pharmaceutical Associates
ACETAMINOPHEN; HYDROCODONE BITARTRATE, TABLETS	202214	Tris
DEXMETHYLPHENIDATE HYDROCHLORIDE, EXTENDED RELEASE CAPSULES	078992	Intellipharm
DEXMETHYLPHENIDATE HYDROCHLORIDE, EXTENDED RELEASE CAPSULES	202580	Mylan
DEXMETHYLPHENIDATE HYDROCHLORIDE, EXTENDED RELEASE CAPSULES	078908	Teva
DEXMETHYLPHENIDATE HYDROCHLORIDE, EXTENDED RELEASE CAPSULES	202731	Teva

DEXMETHYLPHENIDATE HYDROCHLORIDE, EXTENDED RELEASE CAPSULES	079108	Watson
METHYLPHENIDATE HYDROCHLORIDE, ORAL SOLUTION	201466	Caraco
METHYLPHENIDATE HYDROCHLORIDE, EXTENDED RELEASE TABLETS	091695	Kudco
MORPHINE SULFATE, EXTENDED RELEASE CAPSULES	202104	Upsher Smith
OXYCODONE HYDROCHLORIDE, ORAL SOLUTION	204037	ROXANE
OXYCODONE HYDROCHLORIDE, ORAL SOLUTION	203208	ROXANE
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	201447	ACTAVIS
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	201972	AUROLIFE
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	090535	CARACO
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	090733	VINTAGE
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	090734	VINTAGE
OXYMORPHONE HYDROCHLORIDE, TABLETS	203601	AVANTHI
OXYMORPHONE HYDROCHLORIDE, TABLETS	202321	MALLINCKRODT
OXYMORPHONE HYDROCHLORIDE, EXTENDED RELEASE TABLETS	079046	ACTAVIS
OXYMORPHONE HYDROCHLORIDE, EXTENDED RELEASE TABLETS	200822	ROXANE
TRAMADOL HYDROCHLORIDE, TABLETS	202390	ACCORD

TRAMADOL HYDROCHLORIDE, TABLETS	091498	CSPS OUYI
BUPRENORPHINE HYDROCHLORIDE; NALOXONE HYDROCHLORIDE DIHYDRATE, SUBLINGUAL TABLETS	091422	ACTAVIS
BUPRENORPHINE HYDROCHLORIDE; NALOXONE HYDROCHLORIDE DIHYDRATE, SUBLINGUAL TABLETS	203136	AMNEAL
LORAZEPAM, ORAL CONCENTRATE	091407	LUPIN
ZOLPIDEM TARTRATE, EXTENDED RELEASE TABLETS	200266	APOTEX
ZOLPIDEM TARTRATE, EXTENDED RELEASE TABLETS	078970	LUPIN
ZOLPIDEM TARTRATE, EXTENDED RELEASE TABLETS	090153	WATSON
DEXBROMPHENIRAMINE MALEATE; PSEUDOEPHEDRINE SULFATE, EXTENDED RELEASE	078648	AVANTHI

Table 5: Generic drug products containing controlled substances discontinued in 2013.

DRUG PRODUCT	NDA/ ANDA#	SPONSOR
AMPHETAMINE ASPARTATE; AMPHETAMINE SULFATE; DEXTROAMPHETAMINE SACCHARATE; DEXTROAMPHETAMINE SULFATE, TABLETS	040472	TEVA
CARISOPRODOL, TABLETS	040397	COREPHARMA
CARISOPRODOL, TABLETS	040188	PROSAM
CARISOPRODOL, TABLETS	040124	WEST WARD
CODEINE PHOSPHATE; PROMETHAZINE HYDROCHLORIDE, ORAL SYRUP	089647	PHARMACEUITCAL ASSOC
ACETAMINOPHEN; CAFFEINE; DIHYDROCODEINE BITARTRATE, CAPSULES	040109	MIKART
ACETAMINOPHEN; CAFFEINE; DIHYDROCODEINE BITARTRATE, CAPSULES	040688	WRASER
ACETAMINOPHEN; CAFFEINE; DIHYDROCODEINE BITARTRATE, TABLETS	040316	MIKART
ACETAMINOPHEN; CODEINE PHOSPHATE, TABLETS	089238	MIKART
ACETAMINOPHEN; CODEINE PHOSPHATE, TABLETS	089231	MIKART
ACETAMINOPHEN; CODEINE PHOSPHATE, TABLETS	089363	MIKART
ACETAMINOPHEN; HYDROCODONE BITARTRATE, CAPSULES	081067	MIKART
ACETAMINOPHEN; HYDROCODONE BITARTRATE, CAPSULES	089008	MIKART
ACETAMINOPHEN; HYDROCODONE BITARTRATE, TABLETS	087757	UCB
ACETAMINOPHEN; HYDROCODONE BITARTRATE, TABLETS	089698	MIKART
ACETAMINOPHEN; HYDROCODONE BITARTRATE, TABLETS	040849	MIKART
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	040679	MIKART
ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE, TABLETS	089775	ROXANE
ALPRAZOLAM, EXTENDED RELEASE TABLETS	077979	TEVA
CLONAZEPAM, TABLETS	075468	APOTEX
DIAZEPAM, INJECTION	070296	WATSON
LORAZEPAM, INJECTION	074276	WATSON
LORAZEPAM, TABLETS	071193	SANDOZ

LORAZEPAM, TABLETS	071194	SANDOZ
LORAZEPAM, TABLETS	071195	SANDOZ
MIDAZOLAM HYDROCHLORIDE, INJECTION	75637	APOTEX
MIDAZOLAM HYDROCHLORIDE, INJECTION	076144	INTERNATIONAL MEDICATED SYSTEMS
MIDAZOLAM HYDROCHLORIDE, INJECTION	076020	INTERNATIONAL MEDICATED SYSTEMS
MIDAZOLAM HYDROCHLORIDE, ORAL SYRUP	077115	APOTEX
NALTREXONE HYDROCHLORIDE, TABLETS	075434	SANDOZ
ZOLPIDEM TARTRATE, TABLETS	077985	DR REDDY'S
LORATADINE; PSEUDOEPHEDRINE SULFATE, EXTENDED RELEASE TABLETS	076208	WATSON

Table 6: Generic drug products that may be approved in 2014.

DRUG PRODUCT	NDA/ ANDA#	SPONSOR
		(b) (4)
		(b) (4)
MORPHINE SULFATE, EXTENDED RELEASE TABLETS	203849	ACTAVIS
OXYMORPHONE HYDROCHLORIDE, EXTENDED RELEASE TABLETS	202946	MALLINCKRODT
NALOXONE HYDROCHLORIDE, INJECTION	205014	MYLAN
NALOXONE HYDROCHLORIDE, INJECTION	204997	MYLAN